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Vaughan's Seed Store

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U. S. Department of Agriculture

ETHEL

CHRISTMAS CHEER

BETTER TIMES

Vaughan's **MID-SUMMER OFFER** *June 1944*
CHICAGO, 601 W. JACKSON BLVD. — NEW YORK, 47 BARCLAY ST.



PANSIES. VAUGHAN'S SUPER SWISS GIANTS MIXED.

PANSIES

Pansies have long been a favorite with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety, Maple Leaf, several years ago.

GIANT MIXTURES

VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—salmons, yellows, pinks, rich reds and blues, are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.20; $\frac{1}{4}$ oz., \$2.00; oz., \$7.00; lb. \$80.00.

VAUGHAN'S SUPER SWISS GIANT MIXTURE

One of our leaders and represents the choicest strain of this popular and profitable flower. Combining the finest selections of several Pansy specialists, the perfect blending is further insured by the addition of separate colors that do not generally appear in the average mixture. Without question, the finest mixture of Swiss Giant Pansies on the market. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.30; $\frac{1}{4}$ oz., \$2.20; oz., \$8.00; $\frac{1}{4}$ lb., \$28.00; lb. \$90.00.

VAUGHAN'S DWARF SUPER SWISS MIXED

Special selection of Geneva Giants of dwarf habit. This type, being shorter and more compact, is more suitable to plant sales. The color range is as good as that of the Improved Swiss. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.25; oz., \$8.00.

VAUGHAN'S LONG STEMMED WINTER-FLOWERING MIXED RESELECTED

It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from $2\frac{1}{2}$ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early. One of our florist customers writes on June 3, 1943.—"We had very good success with the last years seeds of Pansy Long Stemmed Winter Flowering. The colors and length of stem were exceptionally good." H. Florist, Toronto, Canada. $\frac{1}{2}$ Trade pkt., 60c; Trade pkt., \$1.00; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.80.

VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 60c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75; oz., \$9.00.

VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

This strain is even finer than the preceding, with flowers of unbelievable size and texture, larger than in any other strain, the plants are also of compact growth and the extra large foliage is a rich, dark green. Trade pkt., 90c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

VAUGHAN'S GIANT MIXTURE

Large flowers of good substance in a complete color range in light and dark shades. Probably the best general complete high grade mixture obtainable. Trade pkt., 50c; $\frac{1}{4}$ oz., \$1.80; oz., \$6.00.

GIANT SWISS SEPARATE SORTS

Swiss Alpenglöw. Rich wine-red shades.

Swiss Berna. Dark violet-blue.

Swiss Blue (Ullswater. Thuner Sea). The most distinct rich deep ultramarine blue with darker blotches.

Swiss Coronation Gold. Flowers golden-yellow. Perfectly round flowers, slightly ruffled edges. This is the best pure yellow pansy.

Swiss Fire Beacon. Brick red.

Swiss Pure White. The best pure white pansy.

Swiss Rhinegold. Canary-yellow with dark blotches.

Each of the above. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.60; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

Delft Blue. Porcelain-blue. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.80; $\frac{1}{4}$ oz., \$3.25; oz., \$12.00.

Geneva Giant Mixed. Grown from Originator's Stock Seed. A very fine strain. Trade pkt., \$1.00; $\frac{1}{8}$ oz., \$1.40; $\frac{1}{4}$ oz., \$2.60; oz., \$10.00.

America, Ideal Bedding or Basket Pansy. Good substance with wide color range. Free-flowering. Trade pkt., 60c; $\frac{1}{4}$ oz., \$2.40; oz., \$9.00.

Engelmann's Giant Mixture. Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.60; $\frac{1}{4}$ oz., \$3.00; oz., \$10.00.

Jumbo Mixed. Extra large and early; long stemmed flowers. Trade pkt., 75c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.25; oz., \$12.00.

Masterpiece—Giant Curled. The colors are superb, mostly red and brown shades. Trade pkt., 50c; $\frac{1}{4}$ oz., \$1.80; oz., \$6.00.

Oregon Giants. A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage. Trade pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.25; oz., \$8.00.

"SNAPS" For Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

SPECIAL COVER COLLECTION OFFER

1 trade packet each, 3 for \$5.00

Christmas Cheer Ethel Better Times

From observations of the Greenhouse Snapdragons listed, we make the following recommendations of popular sorts in the early flowering winter type, intermediate and late flowering varieties. First sowings can be made between June 10th and July 10th and selection of varieties made according to locality and climatic conditions. Early types planted in the South, with more light, will set buds earlier and not make suitable spikes. Each is good under certain conditions. For winter flowering, during dark days, the early types should be used and for after "Mums" and spring blooming the intermediate and late varieties.

The soil for growing Snapdragons should be porous and well drained. Raised benches are preferable to ground beds for winter crop. High nutrition, especially Nitrogen, and water combined, during the dark days, should be avoided as the results will be soft growth and off-colored shattery flowers.

For Spring Crop, after "Mums," when later and stronger growing varieties are used, ground beds may be used to better advantage, for with lengthening days and higher temperatures there are better growing conditions.

In the Early Pinks, **Christmas Cheer** is best. **Better Times**, a dark rose, is also early. Mary Ellen is a fine light pink. These three are first-cross hybrids, excellent early varieties and croppers. Yoders No. 33, a light pink of the Mary Ellen type, also is early. In the next group we would put Cheviot Maid Supreme Reselected, Rose Queen and Gilbert's Pink Supreme which are most popular. Cheviot Supreme Appleblossom, La France and Day Break fit in here but are later and can be planted for winter flowering. The first named sorts are more productive in our latitude during dark winter days. For after "Mums" Peggy Schumann, a salmon pink is very good; Schaffroth Pink is another. Mary Louise, St. Louis Pink, two fine light pinks, America, Terry's Surprise and Cincinnati, fit in here.

In the Bronze, the earliest are Sunlight and Suntan, the first being a little lighter in color. Afterglow, slightly later, is most popular; it makes a heavier spike and has deeper coloring. Bronze

SPECIAL OFFER—WHERE PRICE IS:

\$1.00 per pkt., we supply any 3 for \$2.50; any 5 for \$3.50; any 7 for \$4.55

\$1.50 per pkt., we supply any 3 for \$4.00; any 5 for \$6.50

\$2.00 per pkt., we supply any 3 for \$5.00; any 5 for \$7.50

NOTE: Combination prices apply to orders for one or more varieties.

Varieties preceded by a star (*) are best for early winter flowering.

Varieties followed by a cross (X) we can supply in ½ trade pkts. at 60c each.

Christmas Cheer, not as early as its name implies, is an open pollinated variety, later and of heavier growth. Talisman, the nearest all-double, is an early bloomer and excellent retail novelty. For after "Mums" and spring, there are Early Glorious and Kirkwood Beauty. Hodaly's Ideal Improved, with its contrasting white throat, comes in this group.

In the Yellows, the earliest are Ceylon Court Dark Selection, Yellow Wonder, which does not make any too large a head, and Goldie, which resembles a shorter Ceylon Court. Schlegel's Yellow, not as dark in color, comes next in blooming, followed by **Ethel**, the most popular variety on the market for winter and spring. Carol Jean is in season with Ethel, a shade lighter, larger flower and a cropper. To follow "Mums," for spring flowering, Coates Yellow Perfection, Klondyke Supreme, Sunray and Schumann's Yellow are good sorts.

In the Whites, Koester's White and Improved White Wonder are earliest pure whites. Margaret, a new comer, is also early; an ivory white of the same habit and type growth as Mary Ellen pink but with closer set florets and a little earlier. Peace, also new, is pure paper white, slightly larger than White Wonder, flowers more closely set on spike. Next in earliness is Schlegel's White; while not as white as the first two it has heavier stem and spike. Lucky Strike, the old favorite, is grown by many for early, mid-season and late; being heavier in growth it does not produce as much in winter. Lucky Strike Improved is not as heavy but slightly earlier. Westover's White (Early) is an early selection of the late sort. Marion White, Schaffroth's White, Snow White and Westover White are fine for after "Mums" or spring blooming.

In the Lilacs or Lavender, Windmiller Lilac is earliest. Bertha Baur and Schumann Lavender are late and to be planted only after "Mums," as probably all Lavenders should. Schumann Lavender is by far the most popular for stem and spike.

Christmas Red is earliest and the one to plant for winter production in this color. Velvet Supreme is taller and later, for after "Mums."

BRONZE SHADES

	Trade pkt.
Afterglow. Golden bronze Spring flowering X.....	\$1.00
Bronze Christmas Cheer (Schlegel). A bright copper hood with lower part shading from deep gold to apricot. Well placed 1½ to 2 inch individual florets. No grassy growth; non-shattering.....	2.00
*Early Glorious (Windmiller). A highly attractive deep bronze shaded scarlet with closely set spikes. Fine for Valentine Day Sales.....	1.50
Ideal Improved (Hodaly). It is a much stronger, deeper in color, and much earlier than original. A blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Winter-flowering strain, blooming in four months from seed. "This variety sold on sight at a premium." Louis Hoeckner.....	1.50
Kirkwood Beauty. Bronze with a cast of gold—a striking color. Rather tall grower.....	1.00
*Sunlight. Improved Suntan, finest early golden bronze X.....	1.00
*Suntan. Rose shade of tan with tinge of yellow on lip. Early blooming X.....	1.00
Talisman (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination with other flowers.....	2.00

PINK AND ROSE SHADES

	Trade pkt.
America (Hodaly). Brilliant rose pink with orange lip, blending into pure lemon. The flower heads are sixteen to twenty-five inches long, carrying well set, large florets; medium foliage.....	\$1.50
Ball's Early Pink. Rose pink similar to Radiance.....	1.00
*Better Times (1942 edition) (Windmiller.) A real American Beauty Rose red. It is a first cross like Christmas Cheer but deeper color. Excellent for Xmas and Valentine's Day.....	2.00
*Cheviot Supreme Appleblossom (Windmiller). In color it resembles Verbena Mayflower. In late spring the color deepens to salmon-rose. Best in February. Does not shatter.....	1.00
Cheviot Maid Supreme. Reselected. Deep rose-pink X ..	1.00
*Christmas Cheer (Windmiller). Conceded the best early pink. Fine spike, excellent for Christmas and comes back for second and third crops.....	2.00
Daybreak. Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer X.....	1.00
*Gilbert's Pink Queen Supreme. This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads.....	1.50
La France (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem.....	1.50
Marie Louise (Raasch). Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set.....	2.00

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productivity of any seed, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage to the crop.

601 West Jackson Boulevard, CHICAGO 6 • 47 Barclay Street, NEW YORK 7

This List Cancels All Previous Offers

Cash Discounts on Flower Seeds: On all orders for flower seeds, except Cyclamen seed which is net, totaling less than \$25.00 5%, and over \$25.00; 8% may be deducted if cash is enclosed.

"SNAPS" For Greenhouse Forcing—Cont'd**PINK AND ROSE SHADES—Continued**

*Mary Ellen (Yoder) is a light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets. Seed ready June 1st.	Trade pkt. \$2.00
*New Cincinnati. The finest light rose X.	1.00
Peggy Schumann (Schumann). Pink, a large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots.	2.00
*Rose-Pink Cheviot Supreme (Windmill). Early, hard, wiry stems, small foliage, excellent keeper and shipper, intense color. Best in January.	1.00
Rose Queen. Dark pink X.	1.00
Schaffroth's Pink. A beautiful shade of silvery pink. Early flowering. Also may be grown as a second crop which will be in fine flower for Mothers' Day. Fine spikes, is a clean grower, wonderful keeper and the flowers rarely drop.	2.00
St. Louis Pink (Rowe). Beautiful shade of silvery pink, the well placed flowers being produced on wiry stiff stems. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. Sow early. Spring bloomer.	1.50
Terry's Surprise, Improved. Pink and bronze shades, late.	1.00
Yoder's No. 33. One of the parents of Mary Ellen is uniform light pink, slightly deeper than Mary Ellen but with the same long stems and early flowering habit.	1.50

RED

*Christmas Red. Extra early crimson.	1.00
Velvet Supreme. A rich velvety scarlet crimson.	1.50

LAVENDER

Ball's Lavender. A rich lilac lavender, fine spike and long stemmed.	1.50
Bertha Baur. Standard lavender.	1.00
Schumann's Lavender. A true color, heaviest spike and unquestionably the leader.	2.00
*Windmill's Lilac. Excellent orchid, true to type and color, early, hardy wiry stems, small foliage, productive. Earliest in this color.	1.50

WHITE

*Koester's White. It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers.	1.50
*Lucky Strike. Well known pure white, grows three to four feet with full spike of flowers; does not drop or shatter X.	1.00
*Lucky Strike Improved. Earlier than the original.	1.50
Margaret (Yoder) is a winterblooming ivory white, whiter than the old Lucky Strike but not as white as White Wonder. The stem is exceptionally stiff and there is almost no sidegrowth. The florets are of medium size set more closely on the spike than Mary Ellen but the spike has the same general form as Mary Ellen. It is earlier than Mary Ellen. The florets last a long time and do not shed.	2.00
Marion White (Schumann). A real white, large close flowering spike on a strong, sturdy stem, throwing small foliage.	1.50
Peace (Ball). Large closely set florets of the pure white on long, wiry stems. The unusually rich dark green foliage contrasts vividly with the snowy whiteness of its flowers. It is fairly early-flowering and entirely free of grassy side growth.	1.50
Schaffroth's White. Pure white. Midwinter blooming from July sowing. Produces 12 to 14 spikes per plant within a cropping period of four to five weeks.	2.00
Schlegel's White. Early and vigorous grower for early and late planting.	1.50
Westover's Fringed Early White (Windmill). An early development of Westover's Fringed White—an ideal wedding bouquet white—good early or late.	1.50
Westover's Fringed White. A great favorite in the East. Sow for late crop X.	1.00
White Wonder, Improved. Longer and better stems with flowers well placed—keeping the pure white color of original.	1.50
*White Wonder. A fine pure white. Free and early X.	1.00

"SNAPS" for Greenhouse Forcing—Continued**YELLOW**

Carol Jean (Dornacher). A shade lighter than Ethel. Has no wild growth whatever. Will not shatter.	Trade pkt. \$2.00
*Ceylon Court. Dark Selection. Canary yellow. Our introduction X.	1.00
Coate's Yellow Perfection. Deep golden yellow. Spring flowering X.	1.00
*Ethel. Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow and shatterproof. See front cover for illustration in color.	1.50
Goldie (Windmill). Deep early yellow.	2.00
Klondyke Supreme. Deep intense golden yellow with extra large individual florets.	1.00
Schlegel's Yellow. Early and vigorous grower for early and late flowering.	1.50
Schumann's Yellow. Fine large yellow.	2.00
Sunray. Large well placed yellow flowers on strong stems, a good shipper, has no grassy growth.	2.00
*Yellow Wonder (Bezdek). Early and free flowering. Has a good stiff stem, a fine commercial variety.	1.50
Greenhouse Varieties Mixed. With pinks predominating. ....	.75

Novelty Begonias

This type is specially desirable for out-door bedding. **Homeran.** All these varieties are strong, vigorous, branching early if pinched back and have some of the characteristics of both parents; a fibrous and a tuberous, taking their root system from the fibrous. Excellent as a house plant. **Homeran Crimson.** Flowers dark crimson, a little larger than Christmas Cheer, foliage darker green than Homeran Rose. 15 to 18 in. 1.00
Homeran Rose. A glorious new rose colored Begonia with extra large flowers, clear Begonia green foliage. 15 to 18 in. 1.00
Homeran White. Large oval shaped green leaves. Flowers are pure white with the usual yellow center. 12 to 15 in. 1.00

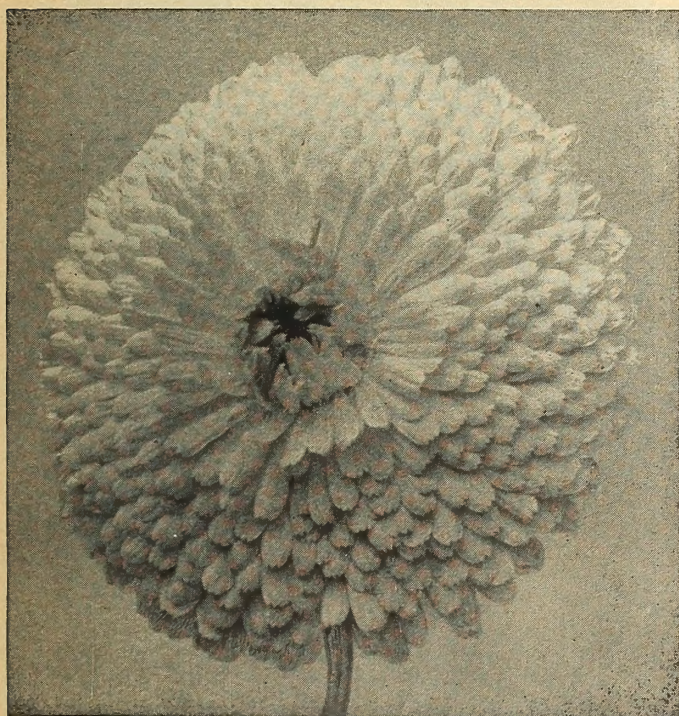
Begonias—Fibrous-Rooted

Pink Pearl. Regret sold out, we suggest Gracilis Adeline as substitute.	
Red Pearl. As this variety is not available this year, we recommend King of the Reds instead.	
Gracilis Adeline (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive. Same color and dwarf habit as Pink Pearl.	Trade pkt. \$1.00
Carmen. Bright rose flowers, bronze foliage.	1.00
Dwarf Luminosa. Extra dwarf, scarlet. Fine for pots. 8 in. 1 1/4 oz., \$2.50	1.00

**BEGONIA SEMPERFLORENS MASTERPIECE**

BEGONIA *Gracilis*—Continued

	Trade pkt.
Fireball. Fiery crimson. 10 in.	\$1.00
Indian Maid. 10 in. Bright deep scarlet buds and flowers with deep lustrous bronze foliage.	1.00
Luminosa. Deep dark scarlet foliage reddish brown. 10 in.	1.00
Prima Donna. Limpid rose, shading to carmine, most beautiful. 10 to 12 in.	1.00
White Pearl. White. 10 in.	1.00
Christmas Cheer Red. A very large-flowered variety, color dark crimson-scarlet.	1.00
Christmas Pink. Identical to above variety only the color is a delightful shade of warm rose-pink.	1.00
Illusion. Is a masterpiece among the Begonias. Flowers attractive rose with a white blotch on every petal. Early flowering. Does well in sun or shade. Foliage is true Begonia green. 10 to 12 in.	1.00
Semperflorens Elegance. The plant is of bushy habit, medium tall and most free flowering. The individual flowers are large, pink with white center, foliage clear green.	1.00
Enchantress. Fresh rose color.	1.00
Fire Sea. (Blaze of Fire). Fiery red flowers, green foliage. 8 in.	1.00
G. Knaake. Glowing salmon pink.	1.00
Ile de France. The best white. The foliage is light green. The flowers are 1 1/4 in. to 1 1/2 in., pure white, with bright yellow stamens. They grow in compact form not to exceed 12 in. in height and approximately the same width. Fine for Easter and Mother's Day.	1.00
Kaethe Teicher. The flowers are 2 1/2 in. across. The plants about 10 in. high. The strong dark green foliage forms an effective foil to the pure carmine of the flowers.	1.00
King of the Reds. Very dwarf, glowing scarlet, foliage, green edged bronze. Same color and habit of Red Pearl.	1.00
Lucifer. The color is a bright salmon scarlet, which shows up well on the shining green leaves. The flowers attain generally a diameter of 2 inches and upwards and make an excellent display in the open either alone or in conjunction as a basis with taller plants.	1.00
Masterpiece. One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage.	1.00
Rose Queen. Abundant carmine rose flowers, like Gloire de Lorraine, splendid plant for pots.	2.00
Snow. Pure white blossoms; green foliage.	1.00
Special Mixture of bedding begonias.	1.00
BROWALLIA Viscosa Compacta Sapphire. Dark blue, white eye, dwarf compact plant for pots and bedding. ....	.35



CALENDULA VAUGHAN'S IMPROVED SENSATION



CANDYTUFT Giant Hyacinth Flowered White Select

Asparagus

- Plumosus Nanus.** (Lath House grown.) Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, \$1.80; 5000 seeds, \$8.00.
- Sprengeri.** 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, \$1.80; 5000 seeds \$8.00.

Calendula

FORCING VARIETIES

- Sensation, Vaughan's Improved (Campfire).** Long Trade pkt. Oz. stems; very double, brilliant orange flowers. The blooms are very flat in shape.
- Apricot.** Light straw or buff color with dark center.
- Ball Gold.** Has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange Improved.
- Ball Lemon Queen.**
- Ball Improved Long Orange.** Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange.
- Ball Long Orange.** Long-stemmed, light center, clear orange.
- Ball's Orange Improved.** Rich orange, light center. Petals slightly notched.
- Ball Masterpiece.** Extra long-stemmed, deep orange-brown center.
- Each of the above.** 2 oz., \$3.50; 1/4 oz., 60c \$0.40 2.00
- Vaughan's Special Mixture for greenhouse forcing.** 1/4 oz., 50 .35 1.50

Candytuft

- Giant Hyacinth-Flowered Pure White Select.** This is a superior strain; it grows about 1 1/2 feet high, with enormous trusses of blooms. The best strain in existence for florists' use. 4 oz., \$2.60; lb., \$8.00 .20 .80

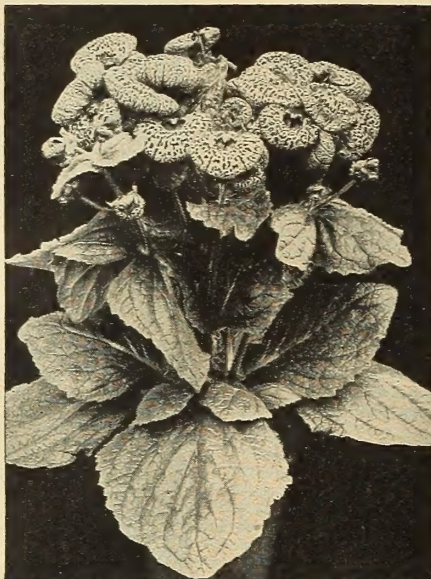
Candytuft Umbellata 12 in.

- Alba.** White. **Purpurea.** Crimson.
- Flesh-Pink.** **Rose Cardinal.** Rose-pink.
- Lilacina.** Lilac. **Vaughan's Special Mixed.**
- Each of above.** Trade pkt., 15c; oz., 50c; lb., \$4.80

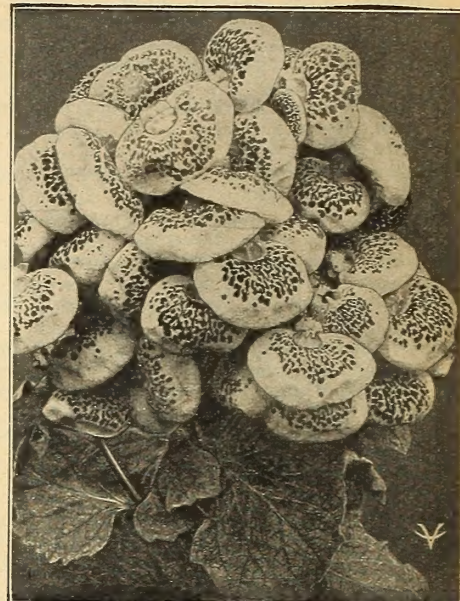
For Candytuft *Gibraltica Sempervirens*, see Perennial Pages.



ASPARAGUS Plumosus Nanus



CALCEOLARIA Hybrid Grand Triumph



CALCEOLARIA Grandiflora Extra Choice Mixed

Vaughan's Calceolarias

These Make Wonderful Plants for Easter or Mother's Day

For Calceolarias, use a mixture of loam, leaf-mold and sharp sand. This mixture is suitable both for the seed pans and the pots into which the seedlings, when ready, should be planted. Perfect drainage is important. Calceolaria seed being very fine the seeding should be done with great care and it is suggested that one use a sheet of white paper on which a tablespoon of white sand is distributed. Then shake the seed on top of this sand and mix thoroughly. Then, sprinkle this mixture on the soil of the seed pan, dusting surface with a little fine sand, cover with a sheet of glass and place in the shade. For moisture, immerse the pans in water. As the seedlings come up lift them carefully when quite small and prick them off into a flat allowing two inches square for each plant. It is important that the leaves of one plant should never be allowed to overlap those of another or decay will probably result. When established in pots shift them into the larger size. At the last shift give them some manure water, not too strong, about once a week.

Calceolaria Hybrid

Trade pkt.

- Hybrida Dobbie's Perfection.** One of the finest strains in cultivation. Flowers rich and varied in color, beautifully spotted and blotched, and of fine form and substance; habit dwarf, compact, and very free flowering. \$1.00
- Hybrida Grandiflora Triumph Strain.** A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. 2.00
- Hybrida Grandiflora Mixed. Extra Choice.** Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties. 1.00
 1/32 oz., \$4.40; 1/4 oz., \$2.40
- Hybrida Multiflora Nana. Mixed.** The average size of the blooms is only 1 1/2 inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make well shaped bushy stock. 1.00
 1/128 oz., \$2.00; 1/4 oz., \$3.80
- Gilbert's Strain.** A selection made by a grower in our mid-west of the Multiflora Nana type. Bright colors. 1.00
- Indian Prince.** A selection retaining the fine dwarf, free-flowering habit. The color is rich dark scarlet with an orange suffusion. 1.50
- Albert Kent Hybrids.** A very lovely variety. The flowers are intermediate in size and produced in large graceful clusters in delicate shades. 1.00
- Tausendschoen.** A cross of C. Rugosa and Grandiflora. Of great freedom of bloom and splendid habit. Color of flower rich golden-yellow with beautiful markings of reddish-brown. 1.00

Centaurea

SUPER GIANT CENTAUREA CYANUS (Cornflower)

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

May be sown out of doors just before freezing for early spring blooming.

Black Boy. Blackish maroon.

Blue Boy. Rich deep blue, very large flowers.

Pinkie. Deep pink.

Red Boy. Deep red.

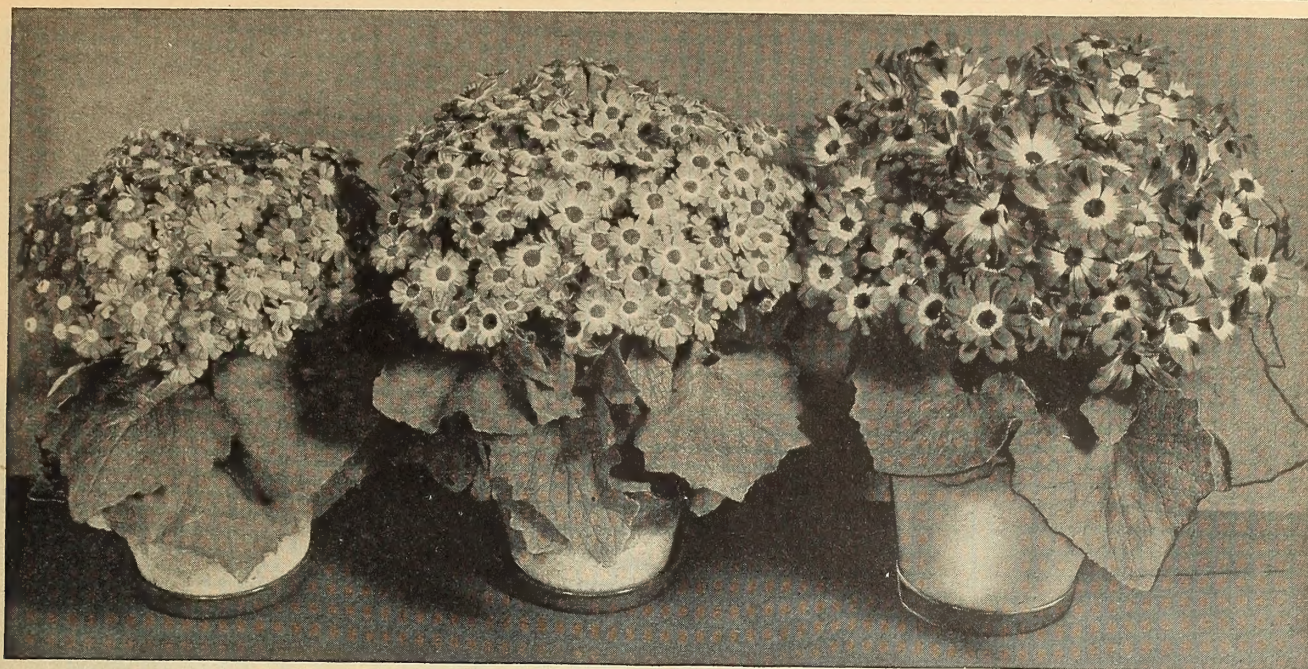
Snowman. Best white.

Vaughan's Mixture of Super Giant New Varieties Mixed.

Each of above, Trade pkt., 15c; oz., 45c; 4 oz., \$1.45; lb., \$4.50



CENTAUREA Cyanus Super Giant Double Mixture



CINERARIA Multiflora Nana.

Cremer's Prize.

Potsdam Strain (Weissensee) Berlin Market

Cineraria Hybrida

Vaughan's Columbian Mixture. Contains the best large Trade flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. 1/4 oz., \$1.75; 1/2 oz., \$3.00; 1/6 oz., \$5.50 1.00

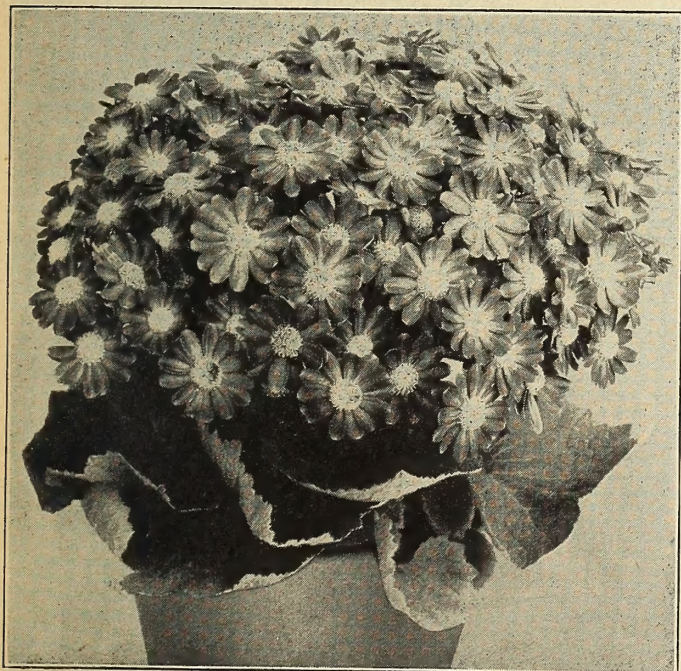
Cremer's Prize Mixture. Re-selected. Somewhat taller and larger flowered than Multiflora Nana. See illustration in color on back page. 1/4 oz., \$2.20; 1/2 oz., \$4.00; 1/6 oz., \$7.50 1.50

Cremer's Improved Prize Strain. Originator's Packet. 1.50

Howard and Smith's Strain. Mixed. A very fine large flowered selection from a California specialist. 1/4 oz., \$2.50 1.00

Mixture of Cremer's, Gold Medal and Siter's. 1/2 oz., \$3.75; 1/4 oz., \$2.00 1.00

Hybrida Multiflora Nana. Mixed. Produces dwarf plants with masses of small flowers, measuring about 3/4 in. in diameter, in compact heads over small and dainty foliage. The flowers are self-colored. 1/2 oz., \$2.80; 1/4 oz., \$1.60 1.00



CINERARIA Multiflora Nana Gold Center

CINERARIA—Continued

CINERARIA "GOLD CENTER" OF THE MULTIFLORA NANA TYPE

This new strain is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers.

1/2 oz., \$3.50; 1/4 oz. \$2.00, 500 seeds, 60c; 1000 seeds, \$1.00

Potsdam Strain. Mixed. (Berlin Market or Weissensee. Trade American grown seed. The plants are taller and flowers larger than Cremer's. 1/4 oz., \$1.75; 1/2 oz., \$3.00 1.00

Siter's Rainbow Strain. Mixed. Immense flower heads of medium large round petaled flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's. 1/2 oz., \$4.50; 1/4 oz., \$2.50 2.00

Siter's Rainbow Mixture. Originators packet. 2.00

Star Cineraria (Cineraria Hybrida Polyantha). **Feltham Beauty.** Fine small flowering variety for cutting and decorating purposes nearly all have white centers. 1000 seeds .75

Chinese Forget-Me-Not

Cynoglossum Amabile, Blue Bird. A lovely plant 18 to 24 inches tall, with bright blue flowers. Makes wonderful cut flower material. 1/4 oz., 30c \$0.15 1.00

Amabile. Pink. 1/4 oz., 30c .15 1.00

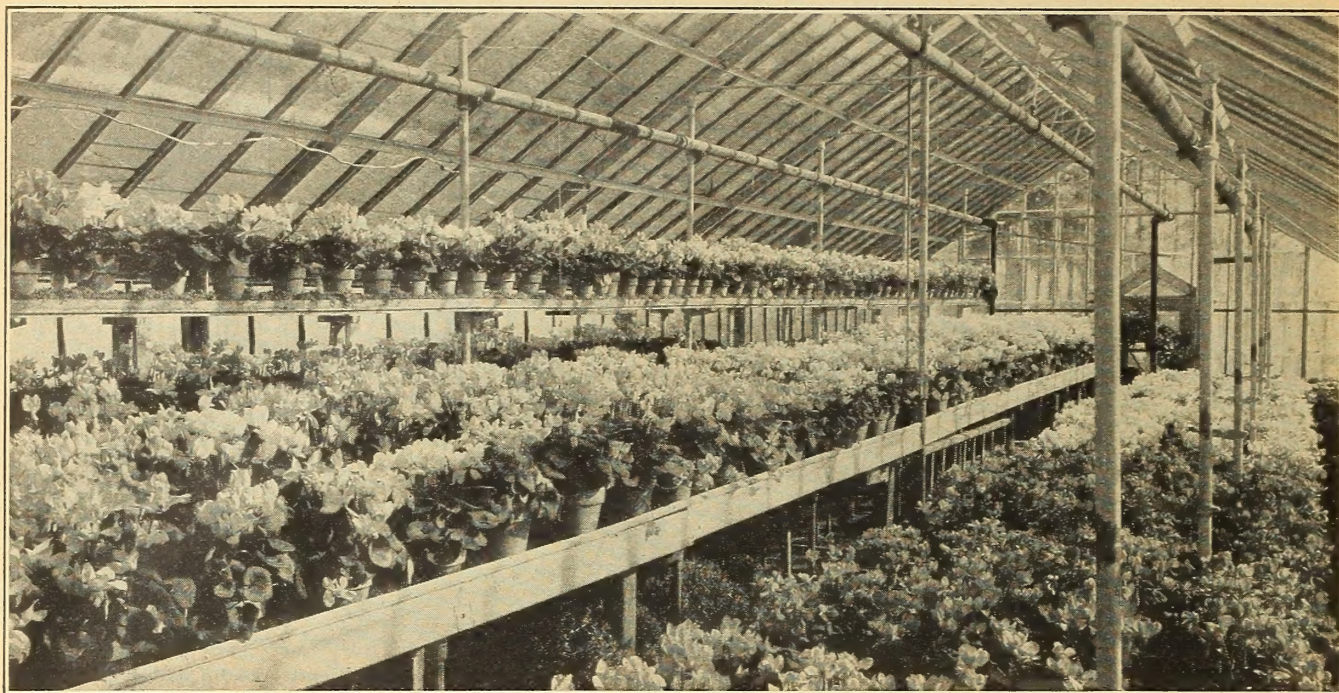
Fairy Blue. Attractive deep Cambridge or azure blue.15 .80

Firmament. A compact variety of bushy, growth, 15 to 18 inches tall. Smothered with rich dark blue flowers. 1/4 oz., 30c .15 1.00

Clarkia Elegans Fl. Pl.

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Grow on in flats or shallow raised bench. 2 ft.

Albatross. Pure white. **Salmonia Perfecta.** True salmon, extra double.
Purple Prince. Rich purple. **Scarlet Queen.**
Rosy Morn. Beautiful rose color, very double. **Vaughan's Special Mixture.**
Each of above. Trade pkt., 15c; 1/4 oz., 30c; oz., \$1.00.



HOUSE OF CYCLAMEN PLANTS GROWN FOR SEED FOR VAUGHAN'S SEED STORE

Cyclamen—*Persicum Giganteum*

Our Cyclamen seed has been grown by experienced American growers who have specialized in this item for years.

Cyclamen prices are net and subject to change without notice.

250 seeds of one variety at 1000 rate, less than 250 seeds of one variety at 100 rate. Prices are net.

	100 seeds	1000 seeds
Baardse's Wonder. A new salmon with white border. Strong grower, of compact habit. Very profuse bloomer.	\$2.50	\$20.00
Bonfire. Brilliant salmon.	2.25	20.00
Bright Red.	1.75	16.00
Dark Blood Red.	1.75	16.00
Lavender.	1.80	.....
Morning Red (Sunrise). Light salmon, dark eye.	2.20	18.00
New Ruffled, Mixed.	2.30	21.00
Orange Beauty. Orange vermillion.	2.30	21.00
Pink Pearl. Salmon-pink.	2.30	.....
Pure Rose.	1.80	16.00
Pure White.	1.75	16.00
Saffron Red.	2.20	18.00
Saffron Red Silver Edge.	2.40	.....
Salmon Scarlet (America Improved).	2.30	21.00
Salmon-Rose Improved.	2.25	20.00
Salmon Dark (Glory of Wandsbek or Pearl of Zehlendorf).	2.20	18.00
Salmon Light (Rose of Zehlendorf).	2.20	18.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal).	1.80	16.00
White with Carmine Eye.	1.75	16.00
Vaughan's Florist Mixture	1.75	15.00

Double Cyclamen

This strain comes about 80% true from seed.

Admiration. A beautiful salmon-rose with shaded eye.

Cerise Brilliant. A good Christmas red.

Prosperity. An azalea type, flaming rose color.

Rosea. A soft rose with a coral cast, shading lighter at petal tips.

Double Mixed. The four above.

Each of the above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00.

Cyclamen flowers keep well when cut, if you make an incision lengthwise into the lower part of the stem with a sharp knife and put flower stems immediately into water.

Didiscus Coeruleus

Vaughan's Improved Wilt-Resistant Blue Lace Flower

An improved variety with flowers of a deeper blue and half again as large as the original type. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter. Plant in spots to follow "mums" or sow direct in beds, thinning to about 6 in. in rows a foot apart, does not transplant well. Not over Carnation temperature needed.

Trade pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; oz., \$6.00.

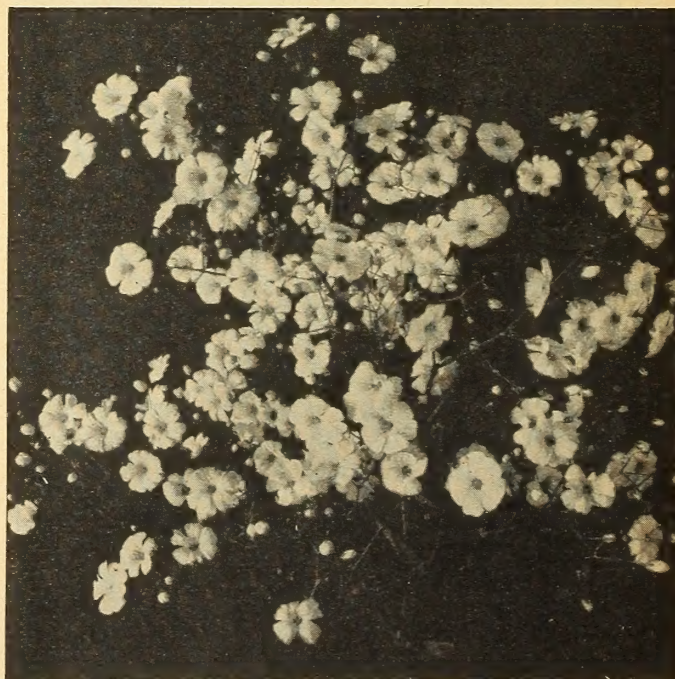
DRACAENA Indivisa. Narrow green leaves. lb., \$5.00 Trade pkt. Oz. \$0.15 \$0.50

GYPHOPHILA Elegans Grandiflora Alba, London

Market. Special Florist Strain. $\frac{1}{4}$ lb., 65c; lb., \$2.25 .25

Carminea. Deep rose. $\frac{1}{4}$ oz., 45c .15 1.40

Crimson $\frac{1}{4}$ oz., 35c .15 1.00



GYPHOPHILA Elegans Grand. Alba. London Market



KALANCHOE

Gloxinia Hybrida

Vaughan's Columbian Mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and is unsurpassed by the great size and exquisite brilliancy and beauty of the individual blooms as well as richness of colors and shades of same. Trade pkt. (about 1,000 seeds), \$1.25.

GREVILLEA Robusta. (Silk Oak). Excellent fern-like foliage plant for combination pots and baskets for fall and winter. Sow in a 60 degree house in well drained soil and give bottom heat. Well grown single specimens make a good fern-like house plant. $\frac{1}{4}$ oz., 50c \$0.15 \$1.60

JACARANDA Mimosaefolia. Mimosa leaved. Foliage as finely cut as a fern. Plants symmetrical and elegant in shape. Useful for combinations or as a pot plant. 100 seeds, 50c; 1,000 seeds, 3.50

KALANCHOE Globulifera. Var. Coccinea (Blossfeldiana). 12 inches. Bright scarlet flowers. Very choice pot plant. 3,000 seeds, \$1.20; $\frac{1}{4}$ oz., \$1.80; 1,500 seeds, .60

Gold Hybrids. It contains all shades from yellow to orange. The flowers last as long as those of the type but twice as large and are borne in clusters on stiff stems. It is advisable to pot them when the third leaf pair has reached sufficient size. The soil should not be too rich. 1.25

Tom Thumb. A dwarf variation of the popular K. Blossfeldiana, with the same color. The general habit is more dwarf and the very short-flowering stems form just beyond the foliage and the flowers actually envelope the entire plant. $\frac{1}{4}$ oz., \$5.00; 1,000 seeds, 1.25

LEUCOCORYNE Ixioides (Glory of the Sun). Large, fragrant flowers, blue with white centers, charming for cutting. $\frac{1}{8}$ oz., \$1.50; trade pkt., \$0.75

Mignonette

Growers interested in heavy spikes of Mignonette around Christmas, should sow seed in pots in late August. Mignonette likes a rich soil, a temperature of 45, or a little lower and a sunny bench. Disbudding and support are necessary.

New York Market. Trade pkt. Oz. \$0.50

True Machet. Vaughan's Selected Stock. $\frac{1}{4}$ oz., 30c .15 \$1.00

Easter 1945 is April 1st.



ANNUAL LARKSPUR GIANT IMPERIAL

Annual Larkspur

To get satisfactory germination from Larkspurs in the hot weather, it is necessary to chill the seeds in an ice box for several days before sowing. Can also be sown outdoors just before freezing for early spring flowering.

GIANT DOUBLE IMPERIAL—4 ft.

This type is the most desirable for outdoor growing. An annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

- | | |
|--|--|
| Blue Bell. Fine medium blue. | Gloria Improved. Rich deep rose-salmon. |
| Blue Cockade. Rich lilac blue. | Lilac King. Rich lilac |
| Blue Spire. Dark blue. | Lilac Spire. Beautiful lilac color. |
| Carmine King. Carmine rose | Los Angeles Improved. Salmony scarlet. |
| Coral King. Blush pink with a suffusion of coral. | Miss California. Deep pink on salmon. |
| Daintiness. Delicate lavender. | Montrose. Clear rose pink. |
| Dazzler. Rich scarlet. | Pink King. One of the best pinks. |
| Exquisite Pink Improved. Salmon-pink. | White King. Glistening pure white. |

Each of the above, Trade pkt., 25c; $\frac{1}{4}$ oz., 40c; oz., \$1.10; lb., \$11.00.

Giant Imperial Vaughan's Special Mixed. All colors. Trade pkt., 25c; $\frac{1}{4}$ oz., 40c; oz., \$1.10; lb., \$11.00.

STOCK-FLOWERED—4 ft.

- | | |
|-----------------------------------|---|
| Ageratum Blue. Sky Blue. | Rose Queen. Deep rose-pink without salmon shading. |
| Dark Blue. | Salmon Rose. |
| Lilac Supreme. Deep lilac. | White. |
| Rosamond. Pure rose. | |

Each of the above. Trade pkt., 25c; oz., 70c; lb., \$7.00.

Vaughan's Special Mixed Stock Flowered, Trade pkt., 25; oz., 70c; lb., \$7.00.



ALL DOUBLE MARIGOLD

ANNUAL LARKSPUR—Continued

SUPER MAJESTIC—5 Ft.

Long tapering laterals branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers—5 ft.

Lavender. Rose Pink. White.
Each of above. Trade pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50;
lb. \$15.00.

EMPRESS—3 ft. Trade pkt. Oz.

Rose Bud. Deep salmon-pink..... ¼ oz., 50c \$0.35 \$1.80

IMPROVED GIANT HYACINTH-FLOWERED—45 in.

Blooms much earlier than other tall Larkspurs. Non-branching, each plant produces one big Hyacinth-like spike, broad at the base and tapering toward the top, thickly studded with perfect double blooms to a length of 18 to 20 inches.

Dark Blue, Pink, Purple, Lilac and White. Trade pkt. Oz.

Each of the above.....lb., \$16.00; ¼ oz., 50c \$0.30 \$1.60

Mixed Improved Giant Hyacinth Fld...
.....lb., \$16.00; ¼ oz., 50c .30 1.60

Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop." Sow 3 or 4 seeds in a 3 or 4 in. pot. Keep in cold frame until late October or November. Transplant into a ground bed and grow slowly in cool temperature. Space 10x12 inches, water well after transplanting and then keep on dry side until plants are established.

Hartwegii. Dark Blue, Oxford-Blue. 24 in.

Light Blue. Cambridge-Blue.

Rose

White

Rose Queen. Rose-pink, semi-dwarf. Trade pkt. only.

Mixed. Trade pkt. Oz.

Each of the above, except as noted..... \$0.15 \$0.60

LUPINUS—Continued

Hartwegii Giants or King Lupinus. This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

King Dark Blue

King White

King Heliotrope

King Mixed

King Sky Blue

Each of the above.....lb., \$8.00 \$0.20 \$0.80

Marigold

For best results, seed should be sown from July up to December. Plant in any house that can be kept free from frost. No insect pests.

Tall African Double Fistulosa, 3 Ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

All Double Lemon. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60.

All Double Orange. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60.

Lemon Queen, Los Angeles Florist Strain. All double. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.80; 4 oz., \$5.00.

Prince of Orange, Los Angeles Florist Strain. All double. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.80; 4 oz., \$5.00.

Yellow Supreme. Rich creamy, broad loose-leaved petals of honey fragrance. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60.

Guinea Gold. Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2½ ft. Trade pkt., 25c; ¼ oz., 50c; oz., \$1.60.

Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. For a fine paying winter cutflower, especially in a retail growers establishment Lieb's varieties are highly recommended. Seeds can be sown from August to December. Space plants ten inches apart in bench in not too rich soil in Carnation house temperature. Trade pkt., 25c; ¼ oz., 60c; oz., \$2.00.

Lieb's Winter Flowering Sunshine. Golden orange, yellow center. Trade pkt., 25c; ¼ oz., 60c; oz., \$2.00.

Winter Harmony. It is of quilled scabious type. A single row of reddish brown guard petals encircling a golden orange quilled center, with mahogany brown dots on tip of each quilled petal. Produces 100% double flowers 2½ inches in diameter. Trade pkt., 15c; ¼ oz., 30c; oz., \$1.00; lb., \$10.00.

Nasturtium

Double Climbing Fragrant Varieties. Sow seed in late summer and give support early. Like cool nights and considerable water. Their bright flowers of spicy fragrance will come in handy during the winter months.

	Oz.	¼ lb.	lb.
Tall Golden Gleam. Semi-double, yellow...	\$0.25	\$0.70	\$2.40
Indian Chief. Vivid scarlet flowers.....	.25	.70	2.40
Scarlet Gleam. Bright orange-scarlet....	.25	.70	2.40
Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers.	.25	.70	2.40

PANSY. See inside front cover.



NASTURTIIUM Double Glorious Gleam Hybrids



PRIMULA Obconica Gigantea Wyaston Wonder

Primula Obconica

Cultural Instructions Sent with Seed

Trade pkt.

Grandiflora Avalanche. White.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Appleblossom. Pink.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Better Days. Deep carmine-red. Very large-flowering. The compact, well branched growth is very symmetrical and the mass of flower heads shows evenly above the dark green foliage, on strong stems.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Sky-Blue (Konigsee). Extra-large flowers.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Dark Blood-Red (Bayern Blut).	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Fasbender Red. Flowers rich deep red of enormous size. Outstanding variety.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Gigantea Wyaston Wonder. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant.....	1/32 oz., \$5.50; 1/64 oz., \$3.00; 1/16 oz., \$10.50	1.25
Lachsrosa. A beautiful salmon-rose.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Mohnstein's Dark Red.	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Mueller's (Berlin) Rose.	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Red Purple.	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Mixed, many colors.	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25
Double Portland Beauty. Light to dark rose-pink.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.00
.....	750 seeds, \$1.50	

Primula Chinese Giant

Chiswick Red Improved. Red.....	200 seeds	.60
Covent Garden White.	100 seeds	.50
Dazzler. A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting.....	250 seeds	1.00
Giant Pink. Extremely large petals of great substance.....	100 seeds	.50
Giant Salmon.	100 seeds	.50
Queen Mary. Rose-pink.....	100 seeds	.50
True Blue.	100 seeds	.50
Vaughan's International Mixture.	150 seeds	.50
Giant Mixed. Includes this year a number of new shades.....	100 seeds	.60

Primula Chinensis Stellata

This type is indispensable for general decorative work. The plants are very floriferous and bloom for a long period. It is a good keeper, the flowers remain fresh in water for many days.

Giant Blue Star. **Giant Salmon Star.** **Giant White Star.** **Giant Star Mixed.** Each of the above, trade pkt., (200 seeds), 50c.

Primula

Ericksson's Malacoides (Baby Primrose) (ORIGINATOR'S SEED)

Recent improvements in this Baby Primrose class have made it indispensable for Florist's use. Seed sown in May or June will produce large plants for Christmas. September sown seed will produce nice plants for Easter and Mother's Day.

RIVERSIDE STRAIN

This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. About two weeks later in blooming. This type does not "crop" in and gives a longer period in which to sell plants.

Ericksson's New Red. A very unusual salmon-red, particularly suited for Valentine combinations. Highly recommended.

Glory of Riverside Improved. A true rose pink, free bloomer with large flowers and robust grower.

Lilac Beauty. Pure light lilac, 100% even color when blooming and a delight to work in combinations.

Peachblossom. Deep peachblossom pink.

Riverside Red Rose. A brilliant red rose of very even color from start to finish.

White Giant. An exceptionally strong grower, large pure white flowers which may be used in combinations instead of Hyacinths.

Each of the above: 500 seeds, \$1.00; 2,000 seeds, \$3.00; 6,000 seeds, \$8.00.

Ericksson's Special Mixture. 800 seeds, \$1.00; 2,000 seeds, \$2.00; 6,000 seeds, \$5.00.

New Baby Improved. Glowing deep pink. 800 seeds, \$1.00; 2,000 seeds, \$2.00; 6,000 seeds, \$5.00.

New Giant Malacoides

Double Fairy Jewels. The color is a lovely rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed. Trade Packet (about 1,000 seeds), \$1.50.

Enchantress. A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are 3/8 to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes. Trade Packet, \$1.50.

Snow Flake. Has flowers of the purest shimmering snow white one can imagine. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply highlighted by the lush green foliage. See next page for illustration. Trade Packet (about 1,000 seeds), \$1.00; 1/4 oz., \$2.00.

Mixture. A mixture of giant varieties. Trade Packet (about 1,000 seeds), \$1.00.

Malacoides Various Sorts

	Trade pkt.
Princess Mary. Deep rose pink.....	1/64 oz., \$2.00 1.00
Salmon Rose.	1/64 oz., \$2.40 1.00
Brilliancy. Opens lavender, changing to crimson-red.....	1/64 oz., \$2.20; 1000 seeds, 1.00
New Baby. Lavender-pink.....	1/64 oz., \$2.00; 1000 seeds, 1.00
Salmon Beauty. True salmon.....	1/64 oz., \$2.50; 1000 seeds, 1.00
Snow King. Pure white.....	1/64 oz., \$2.00; 1000 seeds, 1.00
Rosea Superba. Much improved form of this species, flowers larger and a fine rose color.....	1000 seeds, 1.00

SUBSTITUTION

If we should be sold out of a variety when your order arrives, may we substitute another variety equally as good or better kindly advise, by stating on your order "Substitute if necessary."



PRIMULA Malacoides Giant Snowflake, see page 9



SCHIZANTHUS Vaughan's Dwarf Masterpiece

VEGETABLES FOR SUMMER PLANTING

Every florist who has available land should grow vegetables for the market this summer, for two reasons:

He will get top market prices, and he will be contributing an essential service to the war effort, and qualifying his business for important priority ratings.

If you have a location for a roadside market near your plant, your vegetables can be sold at retail, together with any flowers which you may have in surplus.

Following are varieties which we recommend for summer sowings:

Many shortages exist in vegetable seed supply, and whether this year's crops will correct them no one can tell. In addition to labor scarcity, unfavorable weather conditions may cause poor crops.

BEANS—Plentiful

Dark green, and prolific. Lb., 35c, 10 lbs., \$2.70.

BEET—Crosby's Egyptian.

Dark red, good quality. 1/4 lb., 65c, lb., \$2.00.

CARROT—Touchon

Excellent table variety. 1/4 lb., 95c, lb., \$2.75.

CAULIFLOWER—1/2 oz., \$1.25, oz., \$2.50, 1/4 lb., \$8.00.

CHARD—(Summer Spinach). 1/4 lb., 60c, lb., \$1.60.

CHINESE CABBAGE. Oz., 35c, 1/4 lb., 90c, lb., \$2.75.

CUCUMBER—The Vaughan

For outdoor or forcing. Long, slender and dark green. 1/4 lb., 85c, lb., \$2.50.

ENDIVE—Full Hearted Escarole.

Best salad variety. 1/4 lb., 60c, lb., \$1.75.

LEAF LETTUCE—Grand Rapids Selected Stock

For outdoors or forcing. 1/4 lb., 85c, lb., \$2.50.

PEAS—Laxton's Progress

Lb., 30c, 10 lb., \$2.20, 100 lb., \$20.00.

RADISH—Scarlet Globe

Medium Top For outdoor planting. Lb., 85c.

Short Top—For forcing. Lb., \$1.00.

TURNIP—Purple Top White Globe

1/4 lb., 35c, lb., \$1.00.

RUTABAGA—American Purple Top

1/4 lb., 45c, lb., \$1.25.

Order now for next spring.

We advise all market growers to place early orders for their requirements of next spring, and to accept delivery of the seed this fall, in order to make sure of an adequate supply.

Schizanthus

Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

Vaughan's Dwarf Masterpiece. This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well balanced from light pink and rose, to a very pleasing dark violet, all with conspicuous blotches. . . . 1/16 oz., \$1.00; 1/8 oz., \$1.65 \$0.50

Vaughan's Excelsior Hybrids. A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item. . . . 1/8 oz., \$1.10 .50

Dr. Badger's Hybrids. Splendid large flowers with brilliant coloring, compact grower 8 to 10 in tall. . . . 1/4 oz., \$1.10 .35

Pansy-flowered. The large pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white are extremely bright and attractive. . . . 1/8 oz., \$1.00 .35

Ryders' Chelsea Bedding. The bushy little plants are so compact and neat and so smothered by the butterfly-like blooms that each one is a bouquet in itself. Has a wide range of colors. The plants average only 9 inches in height.75

SAPONARIA Vaccaria Rose. Incorrectly spoken of as Pink Gypsophilia. The light graceful sprays of glistening flowers produced in greatest profusion. . . . 1/4 lb., 50c . . . \$0.20

Vaccaria Alba. White. . . . 1/4 lb., 50c20

SMILAX.15 .80

STATICE Suworowii. Russian. Also known as "Rat Tail." Flowers bright rose color. Sow inside for winter blooming in a cool house. . . . 1/4 oz., 35c .15 1.00

STEVIA Serrata. Fragrant, small white flowers freely produced in clusters. Fine to mix with other flowers. Easily grown indoors summer or winter.35

Stocks

Our stocks are produced by the most careful growers and are equal to the best in the market.

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by Prof. S. L. Emsweller, will be included in all orders for Column Stock seed.

"NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2½ ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

American Beauty. Deep American Beauty Rose.

No. 22 Ball Supreme. Supremely fine in its rich silvery rose shading, with extra long stems and fine heavy spike.

★**Blue.** Dark lilac blue.

★**Chamois Pink.** Not such a large percentage of doubles as other varieties.

Gardenia. Flowers of the purest white. About 10 days later than White No. 16, also taller. Needs disbudding.

Gold Standard. Creamy ivory yellow. Only ½ trade pkt., 60c. Trade pkt., \$1.00.

La France. Deeper than Pink No. 11. Only ½ trade pkt., 60c; trade pkt., \$1.00.

Lilac Lavender. Same as Silvery Lilac.

Malmaison Pink. Beautiful shell pink.

Moonlight. Light yellow.

★**Pink (No. 11).** Light rose-pink, exact shade of Bismarck Rose. Long-stemmed flowers, well placed on stem.

★**Rose Pink (No. 14).** A deep selection from No. 11; a rose-pink, not a deep heavy rose. Good market color. Long-stemmed, about ten days later than No. 11.

Ruby (Illusion). Rich crimson red.

★**Silvery Lilac.** Lilac lavender.

★**Vaughan White No. 1.** We especially recommend this; in our judgment, the finest pure white Non-Branching Column Stock in existence.

White No. 16. Semi-tall pure white.

★**Yellow Wonder.** Best yellow.

Special Florist Mixed. Mixture of the best selling colors.

Each of above except noted otherwise. ½ Tr. Pkt., 60c; Tr. Pkt. (about 1200 seeds), \$1.00; ¼ oz., \$2.50; oz., \$9.00.

GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"

Rose Carmine "Sequoia"

Blue "Pacific"

Rose "Yosemite"

Chamois "Santa Barbara"

Velvety Violet (Mojave).

Lavender "Tahoe"

White "Santa Maria"

Pink "Monterey"

Yellow "Golden Gate"

Each of the above, trade pkt., 35c; ½ oz., 70c; ¼ oz., \$1.25; oz., \$4.40.

Giants of California Mixed. Trade pkt., 25c; ½ oz., 65c; ¼ oz., \$1.20; oz., \$4.00.

IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Antique Copper. Fine copper red.

Buttercup. Deep golden yellow.

★**Chamois** Dark Blue

Elk's Pride. Royal purple.

Flesh. Delicate pink.

Fiery Blood-Red

Golden Rose

★**Lavender**

★**Lilac**

★**Rose**

★**Shasta.** Vigorous, glistening white.

Trade pkt. Oz.

Each of the above..... ½ oz., 65c; ¼ oz., \$1.10 \$0.35 \$3.40

Giant Bismarck, Mixed. All colors..... ¼ oz., 65c .25 2.40

See next page for Early Colonial and White Wonder Stocks



STOCKS NON-BRANCHING COLUMN SILVER LILAC

Sweet Peas Early-Flowering Spencer

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c.

Sweet Peas should be inoculated with Nitragin before planting.

Any of the following, except where noted otherwise, 1/2 oz., 30c; 1 oz., 50c; 1/4 lb., \$1.50; lb., \$5.50.

BLUE, LAVENDER AND PURPLE

Amethyst. An early-flowering "Royal Purple." Fragrant.

Blue Bird. Violet blue. Fragrant.

★**Danube.** Large, ruffled blooms of a clear lavender-blue, on long straight stems.

Elk's Purple. Long stemmed reddish purple.

Fragrance. Large frilled lavender flowers, fragrant.

★**Harmony.** Most popular lavender, fragrant.

Mariner. Clear mid-blue.

★**Mrs. Herbert Hoover.** Clear blue. Fragrant.

★**Princess Blue.** Rich light blue.

★**Tahoe.** Both the wavy standards and ruffled wings have the same delightful shade of mid-blue.

★**Triumph.** Deep lilac mauve.

★**Twilight.** Long stems and extra large flowers. Color is a medium clear lavender, very much like Harmony, and will soon supersede Harmony with most growers.

ORANGE

★**Ball Orange Improved.**

Fiesta. Brilliant orange cerise. A strong self color almost deep enough to be an orange scarlet. Vigorous grower, definitely sunproof.

★**Treasure Island.** A sparkling golden orange. Very large flowered and semi-duplexed.

Valencia. Color bright orange, sunproof.

PINK, ROSE AND SALMON

American Beauty. A rich crimson rose on white ground.

★**Apollo.** A soft salmon-cerise. Fine spring bloomer.

Attraction. Bright salmon-pink.

★**Ball Rose Improved.** Extra rich deep rose.

★**Bridesmaid.** Deep silvery pink with stems unusually long.

★**Boon.** Deep salmon-pink on light cream ground.

★**Daphne.** A soft salmon-pink on a cream ground. The flowers are of great size, with beautifully expanded and waved standards.

Jeanne Mamitsch. Striking pink, shading off to deepest pink.

Josie. Brilliant rose-pink, vigorous, large flowers; long stems.

★**Laddie Improved.** An enormous rose-pink. Fragrant.

★**Mrs. R. H. Holscher.** Rose-pink.

★**Ramona.** Coral rose with yellow and pink shadings.

★**Sequoia.** A rich golden salmon-cerise pea, frilled and wavy. The flowers are enormous, on long stout stems.

For **SPRING-FLOWERING INTERMEDIATE SWEET PEAS**—See Our Fall Book for Florists.

STOCKS—Continued

Early Colonial. Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

Mayflower. Red rose.

Priscilla. Silvery lavender.

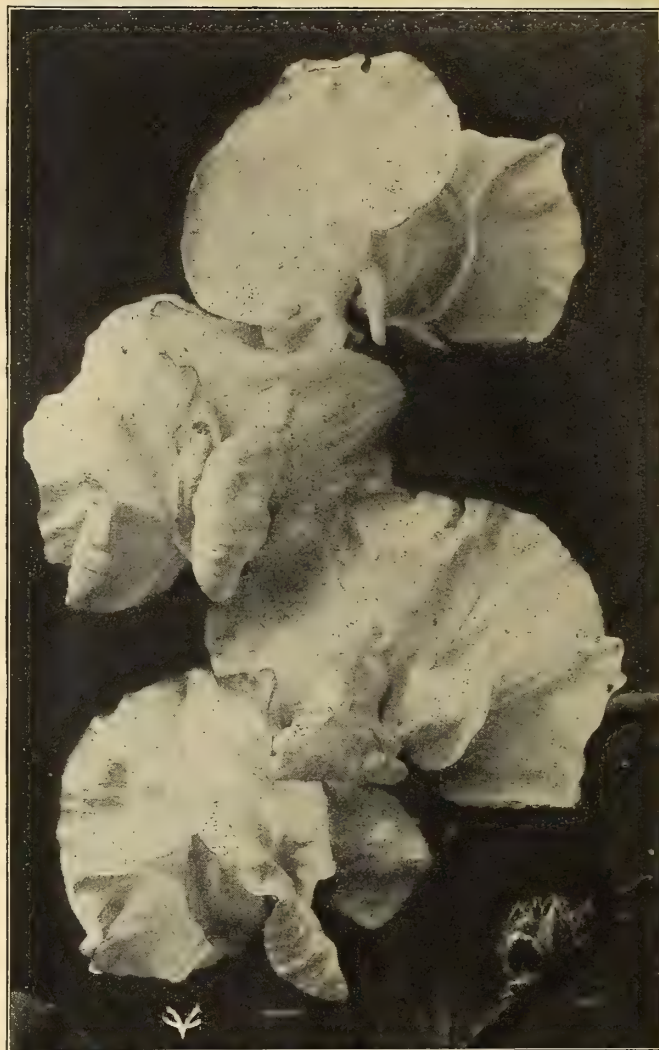
Puritan. Pure white.

Rose Standish. Bright rose.

} Each, tr. pkt., 50c.

White Wonder. Tall growing variety of the Bismarck Trade pkt. Oz. type in habit. The heads are very large and the individual flowers closely set and of extraordinary size. Plant 6 by 6 inches and pinch when 6 inches high and then it will bring three long spikes.....

..... 1/4 oz., \$1.50; 1/2 oz., 80c \$0.50 \$5.00



Type of Our Sweet Peas, Early Flowering Spencer

SCARLET AND MAROON

Bacchus. Mammoth flowered duplex on long, firm stems. Rich red maroon.

Grenadier. A glowing poppy-scarlet.

Pride. Pure cerise large flowers on long stems.

Redwood. A deep, bright rich crimson.

Sparks. Bright orange scarlet, large flower, daintily frilled standard with wide spread wings.

WHITE AND CREAM

Ball White. Large flowered, long stemmed, pure white.

Burpee's White. Glistening white, sweet scented.

Gardenia. Fragrant velvety white flowers, ruffled and duplexed.

An easily grown white seeded variety; sow to follow "mums".

★**Hope.** A mammoth-flowered black-seeded pure white.

Oriental. Deep cream, black seeded large flowers.

★**Snow Queen.** Pure white, black seeded, opens and retains white color. Sow to follow "mums".

★**White Champion.** Best early-flowering white seeded white. Exceptionally long stems, carrying usually four flowers each.

★**White Harmony.** A standard black-seeded white.

Vaughan's Special Formula Mixture, Early Flowering Spencers from named sorts. 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.30; lb., \$5.00.

Fragrant Early Flowering Spencer Sweet Peas

Amethyst.
Blue Bird.

Fragrance.
Harmony.

Laddie Improved.
Mrs. Herbert Hoover.



ACHILLEA, The Pearl



ALYSSUM Saxatile Compactum



ANTHEMIS Sancta Johannis

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of mid-summer, and the long growing season produces larger plants that winter over more successfully.

Seeds of Biennials and Hardy Perennials

Perennials fill a large and interesting place in the operations of an up-to-date florist establishment. Some are as easily raised as annuals; quite a few may be forced; others make fine pot plants; and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to perennials of all kinds. They require little heat, if any, and not much care.

SEED GERMINATES SLOWLY AND IRREGULARLY

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Anemone, Clematis, Delphinium Cardinale, Delphinium Nudicaule, Dictamnus, Dielytra, Iris, Phlox Decussata, Primulas Trollius and nearly all Alpines.

Rock Garden subjects are marked X.

Achillea Ptarmica Fl. Pl. The Pearl. Abundant small white flowers, for cutting, 30 in.	Trade pkt.	Oz.
.....
Tomentosa Aurea. X Flowers are umbells of Buttercup yellow above close set mats of silver gray foliage, 6 in.	.....	.....
Aconitum (Monk's Hood). Wilsoni. Mid-blue, large and late flowering.	1/4 oz., 70c	25 \$2.40
Barker's Variety. Branching habit, flowers pretty amethyst blue.	1/4 oz., 80c	25
Aethionema Coridifolium (Lebanon Candytuft). Light rosy purple, 8 in.	.....	50
Agathea Coelestis (Blue Daisy). Pot grown plants in greenhouse, flower more freely. Plant seed in July, place in carnation house in fall. 40 in.	1/4 oz., 50c	25 1.80
Allwoodii, see Dianthus.		
Alstroemeria Aurantiaca. Orange streaked red, 3 to 4 ft.	1/4 oz., \$1.00	35
Alyssum Argenteum X Yellow-flowered, silvery foliage, 24 in.	.....	35
Rostratum. Yellow. 16 in.	1/4 oz., 70c	25
Saxatile Compactum (Gold Dust). Golden yellow, 12 in. Blooms in spring.	1/4 oz., 30c	15 1.00
Sulphureum (Citrinum). Sulphur-yellow, 15 in.	1/4 oz., 65c	25 2.20
Serpyllifolium. 2 to 3 in. plant woody at base, covered with gray leaves, producing an abundance of small yellow flowers in April and May.	.....	35
Rock Garden Perennial Species, Mixed.	.....	35
Ampelopsis Veitchi, Boston Ivy. Clean seed. lb., \$5.00	.....	15 .50
Amsonia Tabernaemontana. Free flowering long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. 2 to 3 ft.	.....	50

Anchusa Italica, Dropmore Variety. Large, gentian-blue, excellent perennial for cutting, 6 ft.	Trade pkt.	Oz.
.....
Dwarf Dropmore Variety (Feltham Pride). Neat habit, flowers brighter blue than preceding. 3 ft.	1/4 oz., 60c	25 2.00
Lissadell. Clear gentian-blue. 6 ft.	.....	15 .60
Morning Glory. Clear blue, a little lighter than Lissadell but quite similar. Height about 5 ft., coming very true. Buds appear a rosy mauve but turn to clear blue as they open.	1/4 oz., 45c	25 1.40
Myosotidiflora. X A charming plant with the exquisite blue flowers of the forget-me-not, carried on 2 ft. high stiff stems. Large heart shaped basal leaves, for rock garden or border. Flowers in April and May. This seed should be placed in refrigerator for 72 hours before sowing.	.....	.....
.....	1/8 oz., \$1.00; 1/4 oz., \$1.80	50
Anemone (Windflower), Coronaria. Sylphide Blue. Light purple.	1/4 oz., \$1.40	50 5.00
St. Brigid's Hybrids (Irish Champions). Irish-grown St. Brigids are largely favored by commercial growers on account of the lasting quality of the bloom, length of stem, and the brilliancy of colors. 18 in.	1/4 oz., 85c	50 3.00
Pulsatilla. X The Pasque Flower. A singularly beautiful species with violet flowers, whole plant covered with silky hairs, needs a dry situation. Blooms in April to June. 12 in.	1/4 oz., \$1.00	25 3.50
Anthemis Kelwayii (Hardy Marguerite). Daisy-like lemon-yellow blossoms, produced all summer, 3 ft.	.....	15 .60
Tinctoria. Very useful yellow border plant, 2 to 3 ft.	.....	15 .60
Perry's Variety. Light yellow, varies 2 ft.	1/4 oz., 45c	25 1.40
Sancta Johannis. Brilliant yellow flowers about 1 1/2 in. in diameter, borne singly at the termination of straight stiff leafless stems, 9 to 12 in. in length. Definite value for cutting.	1/4 oz., 70c	25 2.40

Unless otherwise quoted we supply 1/2 oz. at the ounce price and 4 ozs. (of a variety) at the pound price.



AQUILEGIA Longissima Hybrids. Tr. pkt., 50c.



AQUILEGIA Mrs. Scott Elliott's Hybrids.



ARABIS Alpina

Seeds of Biennials and Hardy Perennials

AQUILEGIA × (Columbine)

	Trade	pkt.	Oz.
Alpina. Blue. A beautiful short spurred form, 24 in.	1/4 oz., 60c	\$0.25	\$2.00
California Hybrid. A light yellow, red spur. 3 ft.	1/4 oz., 60c	.25	2.00
Canadensis. Native variety, bright red and yellow, 30 in.	1/4 oz., 50c	.25	1.60
Chrysantha. Light chrome-yellow, fine, 36 in. 1/4 oz., 80c	.35	2.80	
Chrysantha Silver Queen. Long-spurred silvery white, 2 ft.	1/4 oz., 90c	.35	3.20
Clematiflora. Mixed, Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades. ....	.50	....
Coerulea Blue. × Sky-blue with white corolla. Rocky Mt. Columbine.	1/4 oz., 60c	.25	2.00
Coerulea. Mrs. Nicholls. Deep blue and bolder flower than coerulea blue. ....	.50	....
Rose Queen. Shades of rose with white corolla, 30 in.	1/4 oz., \$1.20	.35	4.00
Flabellata Nana Alba. Pure white early flowering 12 inch.	1/8 oz., \$1.50	.50	....

AQUILEGIA (Columbine)—Continued

Trade pkt. Oz.

Longissima. Long spurred delicate yellow.	1/2 oz., \$3.00; 1/16 oz., \$1.60	\$0.50	....
Longissima Hybrids. Very long spurred variety in many attractive shades.	1/16 oz., \$2.00; 1/8 oz., \$3.75	.50	....
Long-Spurred Blue Shades. ....		.50	....
Copper Queen. Copper-red, straw-colored corolla, 18 in.	1/8 oz., \$1.00	.50	....
Crimson Star. Long spurs of rich crimson, the center is white tinged carmine, flowers 3 in. across on 2 ft. stems.	1/8 oz., \$2.00; 1/4 oz., \$3.50	.75	....
Orange and Scarlet Shades.	1/4 oz., 85c	.35	\$3.00
Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. The colors range through shades of lavender, mauve, blue, purple, white, cream, yellow, pink, red, etc.	1/4 oz., \$1.00	.35	3.50
Special Mixture of Long Spurred Varieties. A mixture of superior American and English strains.	1/4 oz., 1.00	.35	3.50
Rainbow Mixture of Colorado varieties. Many charming colors of our native Columbine.	1/4 oz., \$1.00	.35	3.60
Suaveolens. Flowers a delightful blending of cream and lilac, fragrant, with lacy foliage. 25 in. ....		.50	....
Vaughan's Special Mixture. All types.	1/4 oz., \$1.00	.35	3.60



ANEMONE St. Brigid's Hybrids



ARMERIAS Are Fine for Cutting



ASCLEPIAS Tuberosa



CAMPANULA Persicifolia Single



CAMPANULA Medium Single



BAPTISIA Australis

Seeds of Biennials and Hardy Perennials

Arabis × Alpina. White flowers in dense masses. Tr. pkt. Oz.		
1 ft.	¼ oz., 55c	\$0.25 \$1.80
Alpina Nana Compacta. White, 8 in.	¼ oz., 60c	.35 2.00
Rosea, Pink. 1 ft.	¼ oz., \$1.80	.35
Snow Cap. Extremely dwarf and compact habit, shining snow-white cushions of flowers. ....		.25
Arenaria Montana. × Makes broad masses of slender foliage 3 to 4 in. deep, which are smothered with large white flowers in late spring, needs sun and well drained soil, 12 in. ....		.50
Armeria Bee's Ruby. Deep rosy red flowers.	¼ oz., \$2.80	.75 10.00
Glory of Holland. Giant Pink. The clear, deep, pink flowers of the size of a silver dollar are borne on straight, tall stems of 24 inches high, throughout the summer. Extra fine for cutting. ....		.50
Mauritanica (Cephaloteos) Giant Thrift, rose and white, 2 ft.	½ oz., 1.00	.50
Asclepias Tuberosa (Butterfly Weed). Produces umbels of varying orange colored flowers, lovely to cut and last a long time. 24 in.	¼ oz., 80c	.25 2.80
Asphodelus Luteus. Yellow, fragrant, 3 ft.	½ oz., 75c	.25
Aster Perennial. Large-Flowering Varieties, mixed.	½ oz., \$1.00; ¼ oz., \$1.80	.50 6.50
Alpinus. Light blue. 1 ft.	¼ oz., \$1.50	.50
Goliath. × Soft blue, largest flowered, fine, 15 in.	¼ oz., \$2.00	.75 7.40
Amellus Hybridus. Named varieties, finest mixed 30 in.	¼ oz., \$1.00	.50
Farreri. Violet mauve with orange disc. ....		.50
Star of Eisenach. Bright lavender blue with yellow center, long stemmed. ....		.50
Aubrietia . Semi-double Hybrids. Produces 75% large semi-double flowers in all known colors of this family and many new art shades. ....		.75
New Giant Flowered. (Monarch strain). All full petalled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Highly recommended. ....		.50
Large-Flowered Hybrids. × Lovely dwarf spring blooming plants. Form beautiful cushions of foliage and flowers. 6 in.	¼ oz., 60c	.25 2.00
Bougainvillei. × Dark blue, 6 in. ....		.35
Deltoidea. × Lilac, 6 in. ....		.25

AUBRIETIA—Continued

	Tr. pkt.	Oz.
Eyrii. × Free flowering large blue.	\$0.25	....
Graeca. Large blue free flowering, 6 in.	¼ oz., 75c	.25
Leichtlini. × Large-flowered, rosy purple. ....		.50
Purpurea. True deep purple. ....		.50
Rosea Grandiflora. × Pink, 6 in. ....		.35
Whitewell Gem. × Glowing rosy purple with slight tinge of blue, 6 in. ....		.35
Auricula . See Primula.		
Baby's Breath . See Gypsophila Paniculata.		
Baptisia Australis (False Indigo). Beautiful racemes of pea-shaped indigo-blue flowers. 2-4 ft. ....	.15	\$0.75
Bellis Perennis × or English Daisy, 6 in.		
Monstrosa, Double Pink. ....	.50	....
Double Crimson. ....	.50	....
Double Red. ....	.50	....
Double White. ....	.50	....
Double mixed.	½ oz., \$1.80	.50
Tubulosa Aetna. Rich deep red. ....	.50	....
Glory of Frankfurt. Brilliant dark red. ....	.75	....
Bignonia Radicans (Trumpet Vine). Dark red, orange throat. ....	.15	.75
Blackberry Lily (Belamcanda Chinensis). A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets—are clusters of shining black seeds. ....	.20	.80
Boltonia Latisquama. Delicate pink, 4-5 ft.	¼ oz., 85c	.25
Bupththalmum Salicifolium. Yellow, 18 in. ....	.25	....
Callirhoe Involucrata. × Large crimson flowers, trailing habit, very showy, 6 in.	¼ oz., 85c	.35

CAMPANULA PERENNIAL SORTS

Carpatica × (Hare Bell). Forms a quickly widening tuft of neat foliage above which are borne on slender, branched erect stems, wide cup-shaped upright blooms of a glistening light violet blue, 9 in. ....	.50	....
Alba. × White, 9 in. ....	.35	....
Mixed. × ....	.35	....
Cullimore . A lovely hybrid form of Carpaticea and other dwarf-growing species. Much more prolific than Carpaticea. Its flowers of various shades of blue are produced all summer. Very nice edging plant or for the rock garden. ....	.50	....
Garganica . × A compact and tufty plant with pendant flowering branches. The flowers are blue with a white eye. 4 in. ....	.80	....

Rock plants are followed by ×, and the heights given are of the plants when in bloom.



SHASTA DAISY Alaska

Rock plants are followed X, and the heights given are of the plants when in bloom.



CANDYTUFT Sempervirens



CARNATION Grenadin Mixed

Seeds of Biennials and Hardy Perennials

CAMPANULA—Continued

	Trade	pkt.	Oz.
Lactiflora Coerulea. Light blue, 3 ft.....	¼ oz., 50c	\$0.23	\$1.80
Latifolia Macrantha. Blue, large-fl'd., 40 in.....	.35	.....	.....
Macrantha Alba.....	.50	.....	.....
Persicifolia (Peach Bell) Alba. White, fine, 30 in.....	¼ oz., \$1.00	.35	.....
Coerulea. Blue, 30 in.....	¼ oz., \$1.00	.35	.....
Telham Beauty. Very large bells of China blue, varies, 30 in.....	½ oz., \$1.20	.50	.....
Wedgwood. Large flowers of deep violet blue. Will do good in full sun or partial shade. If sprays of buds are cut and put in water, they open to charming flowers which are useful for decorative purposes.	.50	.....	.....
Single mixed.....	¼ oz., \$1.00	.35	.....
Punctata. 28 in. Plants form rambling foliage mats with flower stalks of varying height from which hang big, pendant bells which are waxen without, downy within. Creamy pink to purple.....	.50	.....	.....
Pyramidalis Alba. White, 5 ft.....	.35	.....	.....
Blue. Lavender-blue, 5 ft.....	¼ oz., 70c	.35	.....
Mixed.....	¼ oz., 70c	.35	.....
Rapunculoides. Spires of loosely swung bell-blossoms, beauty for months on end. Variable coloring, from soft blue to deep violet. A row of it becomes a hedge of bloom, and it has perhaps the longest flowering season of any Campanula. Easiest of all Campanulas and a very charming one.....	¼ oz., 70c	.25	.....
Rotundifolia (Scotch Blue Bell). X Slender branching stems, covered with dainty frail blue flowers. Blooms in July and again in fall, 6-12 in.	½ oz., \$1.00	.35	.....
Perennial Varieties. Mixed.....	¼ oz., 60c	.25	2.00
Rock Garden Varieties. Mixed.....	.35	.....	.....

CAMPANULA BIENNIAL SORTS

Medium Calycanthema, Cup and Saucer. Dark Blue, Lilac, Rose and White. 36 inch each.....	¼ oz., 50c	.20	1.60
Calycanthema Mixed.....	¼ oz., 50c	.20	1.60
Single. Canterbury Bell. Blue, Lilac, Rose, White, 36 in., each.....	.15	.80	
Single Mixed.....	.15	.80	
Double Blue.....	¼ oz., 70c	.25	.....
Rose.....	¼ oz., 70c	.25	.....
White.....	¼ oz., 70c	.25	.....
Mixed.....	¼ oz., 65c	.25	.....
Double and single mixed.....	.20	1.00	

Candytuft X Gibraltarica. 1 ft. Large flowers, lilac shaded to white.....	¼ oz., 50c	.25	1.60
Jucunda (Lebanon Candytuft). Dwarf pretty pink, 4 in.....	.50	.....	.....
Queen of Italy. Dwarf evergreen foliage, rosy lilac, 10 in.....	¼ oz., 35c	.20	1.00
Sempervirens, 12 in. White.....	¼ oz., \$1.20	.50	4.50

Canterbury Bells. See Campanula Medium.

Carnation Prof. Malmgreen. A new early flowering Vienna Dwarf Double type with gay brick red flowers. Fine for cutting. 14 in.....

Grenadin Golden Sun. Golden yellow.....	½ oz., \$1.40; ¼ oz., \$2.50	.50	\$8.00
King of the Blacks. Darkest red, very fine. 20 in.....	½ oz., \$1.40; ¼ oz., \$2.50	.50	.....
Red. Half high. 20 in.	½ oz., \$1.40; ¼ oz., \$2.50	.50	8.00
Triumph Rose, 20 in.	½ oz., \$1.40; ¼ oz., \$2.50	.50	8.00
White Gold. Soft yellow, new.....	½ oz., \$1.40; ¼ oz., \$2.50	.50	8.00
White, 20 in.....	½ oz., \$1.40; ¼ oz., \$2.50	.50	.....
Mixed.....	½ oz., \$1.40; ¼ oz., \$2.50	.50	8.00

Cassia Marylandica (Indian Senna). Racemes of showy yellow flowers, 30 in.....

Centaurea Macrocephala. Radiant yellow thistle-like blooms often 4 in. across. 36 in.....	¼ oz., 45c	.25	1.50
Montana. Cornflower blue, 24 in.....	.50	.....	.....
Perennial sorts mixed.....	¼ oz., 60c	.25	.....

Cerastium X Tomentosum (Snow in Summer). Silvery white foliage, white flowers. 16 in.....

Cheiranthus Allionii. Brilliant orange. 16 in.....	¼ lb., \$1.20	.15	.35
Golden Bedder. Deep golden yellow flowers, sweetly scented, long flowering.....	¼ oz., 30c	.15	1.00
Kewensis, Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in.....	¼ oz., 70c	.35	.....
Linifolius. Lilac. 18 in.....	¼ oz., 40c	.25	1.40

CHRYSANthemum

Maximum Conqueror (Victor). Giant flowered white.....	¼ oz., 30c	.15	1.00
Elder Daisy. Early blooming, smaller flowering than Alaska, but more flowers.....	¼ oz., 30c	.15	.90
Fringed Semi-Double and Double. The plants are extremely vigorous, producing at one time from 25 to 40 feathered fringed blooms. The strong heavy stems support blooms that average from 5 to 8 inches in diameter. A percentage of the plants will produce full double blooms, the balance semi-double and fringed.....	¼ oz., 90c	.50	3.00
King Edward VII. White.....	½ oz., 50c	.25	.....
Mrs. C. Lothian Bell. Single white, 3 ft.....	.25	.....	.....

See also Shasta Daisy.



SHASTA DAISY—Diener's Double Giant



DELPHINIUM PACIFIC GIANT HYBRIDS

Seeds of Biennials and Hardy Perennials

CHRYSANTHEMUM—Continued

Trade pkt. Oz

Korean Hybrids. Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large flowering single and semi-double. $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50 \$1.00

September Jewels. They are easy to grow from seed starting to bloom two to four weeks ahead of any other type and contain an extra-large number of beautiful colors. The plants grow 1 to 2 feet tall and the flowers measure about $2\frac{1}{2}$ inches in diameter. $\frac{1}{16}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.75 .50

Clove Pink. See *Dianthus Plumarius*.

Columbine. See *Aquilegia*.

Coreopsis Lanceolata Grandiflora. Very large golden yellow flowers, long stemmed, excellent for cutting. lb., \$3.00 .15 \$0.30

Lanceolata Auriculata Superba Diadem. Dark yellow with band of brownish red around disc. 3 ft. $\frac{1}{4}$ oz., 25c .15 .80

Double Sunburst (Double New Gold). Large double flowers $1\frac{1}{2}$ to 2 in. across. $\frac{1}{4}$ oz., 30c .15 1.00

Mayfield Giant. Best large deep golden yellow. $\frac{1}{4}$ oz., 25c .15 .80

Daisy. See *Bellis*, *Agathea*, *Chrysanthemum Maximum* and *Pyrethrum*.

Daisy, Shasta, Alaska. Best white, American-grown, 40 in. $\frac{1}{4}$ oz., 40c .20 1.20

Diener's Giant Double Shasta. Flowers five inches across resemble giant asters, on long wiry stems. Blooms over a period of several months. The first year flowers appear with a high percentage of singles. The second year they act like *Pyrethrum* Double in that they show practically 100% doubles. $\frac{1}{16}$ oz., \$1.25; $\frac{1}{4}$ oz., \$3.50; $\frac{1}{8}$ oz., \$2.00 .50

Diener's Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems $2\frac{1}{2}$ to 3 feet long. $\frac{1}{16}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.85 .50

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Delphinium

See outside back cover for illustration in color

PACIFIC GIANT (Vetterle and Reinelt). This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter** and represent a truly outstanding addition to the cut flower market.

Black Knight Series. Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.

Blue Bird. A clear medium blue with white bee with huge tall spikes.

Blue Jay. Brilliant true medium blue with dark bee.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal violet with large white bee.

Lancelot Series. Pure lilac self tone with white bee.

Summer Skies. Clearest light blue with white bee.

Round Table Series. As the name implies, this represents all of the color combinations of the above Knights and their Ladies.

Each of the above, Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.00; oz., \$14.00.

Pacific Giant. Clear White. Individual florets 2 to $2\frac{1}{2}$ inches in diameter. Well placed on large well balanced spikes. Clear glistening white with heavy texture. Excellent for show purposes. Not Mildew resistant.

Pacific Giant Dark Blue Shades.

Pacific Giant Light Blue Shades.

Pacific Giant Medium Blue Shades.

Pacific Giant Lavender Pastel Shades. Color range from light lavender to deep smoky lavender, generally of two tone combinations with brown or black bees.

Pacific Giant Mixed.

Each of above 6: Trade pkt., \$1.00; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50; oz., \$12.00.

Seeds of Biennials and Hardy Perennials

**SWEET WILLIAM Single "Midget" MIXED COLORS**

The habit of this Sweet William Dwarf Alpine Mixed is of a ball type, grows from three to four inches tall. The blooms, which almost entirely cover the foliage, are quite large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored.

Trade pkt., 50c; ¼ oz., \$1.40; oz., \$5.00.

DELPHINIUM—Continued

Blackmore and Langdon Strain, Mixed. Tall, graceful spikes covered with blooms. All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors. ¼ oz., 90c \$0.50 \$3.00

Wrexham Strain (Hollyhock Delphinium). The chief distinguishing features of the "Hollyhock" Delphiniums are the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period. Mixed. ⅛ oz., 80c; ¼ oz., \$1.50 .50 5.40

Gold Medal Hybrids. Extra choice strain. ¼ oz., 50c .25 1.80

Belladonna. Blue Grotto. Deep blue, bee royal purple with cream center. ¼ oz., 75c .35 2.80

Light Blue, Improved. Light blue, large flowered, strong grower. 4 to 5 ft. ¼ oz., 80c; lb., \$35.00 .40 2.80

Bellamosum Improved. Large deep blue flowers, uniform in color with a white bee. 4 to 5 ft. .lb., \$35.00; ¼ oz., 80c .40 2.80

Cardinal. Fine scarlet flowers, yellow center, 30 in. ¼ oz., 75c .35 2.80

Chinense Album Grandiflorum. White, 36 in. ¼ oz., 35c .20 1.20

Blue. Gentian blue. ¼ oz., 35c .20 1.20

Blue Mirror. This Chinese Larkspur has no spurs and it shows its bright navy-blue flowers most effectively by their horizontal position. Height 1½ to 2 feet. May be cultivated as an annual as well as perennial, and is finely suited for cutting purposes, for groups and borders. ¼ oz., \$1.00 .50 3.80

Cambridge Blue. Rich belladonna blue. ¼ oz., 65c .35 2.20

Azure Fairy. Soft azure-blue, 20 in. ¼ oz., 40c .20 .00

Elatum Hybridum Indigo, True Blue. 5 ft. .35 .00

Lamartine. The flowers are a rich, deep blue with a pure white eye. It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost. ⅛ oz., 80c; ¼ oz., \$1.40 .50 4.80

Nudicaule. × Brilliant scarlet with peach-red interior, 30 in. ⅛ oz., 70c; ¼ oz., \$1.25 .35 .00

DIANTHUS BARBATUS—Sweet William

Double Blood-red (Atrosanguineus pl.) 20 in. ¼ oz., 50c .25 1.60

Nigrescens. Almost black. ¼ oz., 50c .25 .00

Dwarf Midget Mixed. ¼ oz., 85c .35 3.00

DIANTHUS BARBATUS—Continued

Trade pkt. Oz.

Double Giant Flowered Mixed. ¼ oz., 80c \$0.35 \$2.80

Seedlings of all Double Sweet Williams produce about 40 per cent of single-blooming plants.

Single Blood-red (Atrosanguineus) ¼ oz., 50c .25 1.60

Special Giant White. Phlox-Flowered. Enormous trusses of bloom. Fine for cutting. ¼ oz., 75c .35 2.40

Homeland. A most unusual color, dark red with large, sharply defined clear white center. ¼ oz., \$1.00 .50 .00

Nigrescens. Very dark, almost black. ¼ oz., 40c .20 1.40

Newport Pink Salmon-pink. ¼ oz., 70c .25 2.60

Scarlet Beauty. Scarlet. ¼ oz., 70c .25 2.40

Dwarf Midget Mixed. See illustration on left. ¼ oz., \$1.40 .50 5.00

Mammoth Flowered. Single mixed. ¼ oz., 60c .25 2.00

Vaughan's Special Mixture. Double and single of above choice varieties. ¼ oz., 70c .35 2.40

DIANTHUS PLUMARIUS—Clove Pinks ×

Cyclops. Red Hybrids. ¼ oz., \$1.00 .35 3.60

Highland Rose Hybrids Mixed. Beautiful and varied mixture, especially noted for their fragrance and long flowering. ¼ oz., \$1.00 .35 .00

Little Jock Hybrids. The compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and quite 50% of them are double. .50 .00

Scoticus Double Special Florist Strain. Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering. ¼ oz., \$1.00 .50 .00

Spring Beauty. Double giant-flowered carnation-like in form and size and with a beautiful color range. Very fragrant. ¼ oz., 70c .25 2.40

Single Mixed. ¼ oz., 40c .15 1.40

Double. Fine mixed. ¼ oz., 70c .25 2.40

Double Early-Flowering. Dwarf Mixed. ¼ oz., \$1.00 .35 .00

Semperflorens. Double and Semi-Double Mixed. .30 2.20

Vaughan's Special Mixture. ¼ oz., 90c .35 3.20

DIANTHUS—SORTS

Allwoodii. × 18 in. Mixed colors. Double, semi-double and single flowers in a wide color range. ⅛ oz., \$1.00 .35 .00

Alpinus. Mixed colors. × Glossy leaves, large flowers various shades of pink and rose. ⅛ oz., 80c; ¼ oz., \$1.40 .35 .00

Arenarius. SandPink. Small white fringed. 8 in. ¼ oz., 70c .25 .00



DIANTHUS PLUMARIUS



DICTAMNUS Fraxinella Gas Plant



MYOSOTIS Blue Eyes



DIGITALIS

Seeds of Biennials and Hardy Perennials

DIANTHUS Sorts—Continued

Trade pkt. Oz.

Barbatus × Chinensis, Mixed (Annual Sweet William). Blooms from seed the first year.....	¼ oz., 35c	\$0.20	\$1.20
Caesius (Cheddar Pink). × Dense tufts of glaucous blue foliage and large fragrant rose-colored flowers.....	¼ oz., 65c	.25	2.20
Delight. There is a bewildering range of colors, from the palest pink down to the deepest purple; the predominating shades are velvety rich reds; many have the eye of a Sweet William.....		.35	....
Deltoides Brilliant (Maiden Pink). × Beautiful little prostrate plant, narrow leaves with a profusion of small crimson red flowers.....	¼ oz., 70c	.35	2.40
Erecta Red.....	½ oz., \$1.00	.50	....
Major Stern's Variety. Bright crimson, dark foliage. Mixed. Fine for rock gardens.....		.35	....
Graniticus. × Carmine. 9 in.....		.35	....
Knappi. Clusters of clear golden yellow flowers appear above the grassy green foliage.....		.50	....
Latifolius Atrococcineus pl. A beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout 15 to 18 in. stem.....	¼ oz., 70c	.25	....
Loveliness. Large lacinated petals of a most exquisite mauve pink, but the most fascinating of all is their delightful fragrance.....	½ oz., \$1.20	.50	....
Neglectus × (Glacier Pink). Is about 3 in. high with close tufts of foliage and many very fine salmon pink flowers.....	1000 seeds, \$3.00; 100 seeds, 35c	....	....
Rose Cushion. From a little cushion of gray-green foliage that is evergreen in character, hundreds of straight stems arise, and in late May the flowers appear as if by magic. The color is pure pink, flowers about ¾ in. across, plants about 3 to 4 in. tall.....		.50	....
Sweet Wivelsfield Single mixed. Especially adapted for perennial borders and rock gardens. Excellent cut flower. 1 ft.....	¼ oz., 40c	.20	1.40
Sweet Wivelsfield Double mixed.....	¼ oz., 60c	.25	2.20
Best Rock Work Species Mixed ×.....	¼ oz., 60c	.25	2.20
Winteri. A Pink of striking beauty. Single, bold form, delightful pure colors, fragrant, blooms from seed first year. Compact habit, 9 in., ½ oz., \$1.25		.50	....
Dicentra Eximia (Plumy Bleeding Heart). Dwarf. 12 in.....	¼ oz., 70c	.25	2.40
Dictamnus Fraxinella (Gas Plant). Pink flowers with dark veins, 30 in.....	¼ oz., 50c	.25	1.75
Fraxinella Albus. White, 30 in.....	¼ oz., 50c	.25	1.75
Mixed.....	¼ oz., 50c	.25	1.75

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

DIGITALIS (Foxglove)

Tr. pkt. Oz.

Hybrida Lutzii. Salmon hybrids. ft.....	4 ¼ oz., 50c	\$0.25	....
Gloxiniiflora. Mixed, spotted flowers, 4 ft.....	¼ oz., 40c	.20	\$1.40
Alba, Purpurea and Rose.....	each, ¼ oz., 45c	.25	....
Shirley Hybrids. Mixed. Enormous flowers, rich mixture, 6 to 7 ft.....	¼ oz., 60c	.25	2.20
Grandiflora. Chrome-yellow. Marked with brown. (Ambigua), 36 in.....	½ oz., 60c	.25	....
Laevigata. Bronzy yellow flowers with whitish lip....		.35	....
Nevadensis. It is a small flowered species, long lived and exceedingly floriferous. Blooms are creamy yellow, carried in long graceful wand-like spikes, all blooms drooping on one side.....	½ oz., 85c	.35	....
Orientalis. 30 in. Blossoms of silvery down, on cream, all laid about with an even netting of chestnut brown.		.50	....
Vaughan's Special Mixture.....	¼ oz., 50c	.25	1.80

FORGET-ME-NOT × (Myosotis)

Alpestris Blue Eyes. Bright blue with white eye, large, early.....	¼ oz., \$1.20	.35	4.00
Indigo Blue (Royal Blue). 12 in.....	¼ oz., 70c	.25	2.40
Rosea. 12 in.....	¼ oz., 80c	.25	2.80
Stricta. Blue Bouquet. A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft.....	½ oz., 60c	.35	3.20
Victoria. Dwarf globular strain. 8 in.:			
Sky-blue. Excellent variety.....	¼ oz., \$1.40	.35	4.00
Indigo Blue. Fine dark blue.....		.50	....
Vaughan's Early Blue Bird. An extra early flowering strain of Blue Bird type and color. Should be used exclusively for cutting and valuable for pots or bedding.....	¼ oz., 85c	.35	3.00
Echinops (Globe Thistle) Ritro. Showy thistle like plants with globular heads of deep metallic blue flowers, which can be dried as everlasting. Grow in clumps in full sun.....	¼ oz., 60c	.25	....
Eryngium Amethystinum. True amethyst-blue thistle with amethyst stems and bracts. Fine for cutting, 3 ft.....	¼ oz., 70c	.25	2.40
Giganteum. Silver Thistle. Greenish white.....		.50	....
Planum. Cornflower blue, globular heads, 4 ft....		.50	....



GAILLARDIA Grandiflora Monarch Strain



GEUM Mrs. Bradshaw



GERBERA Jamesoni Flowerland Strain

Seeds of Biennials and Hardy Perennials

Euphorbia Corollata (Wild Baby's Breath). Resembles Gypsophila but the flowers are larger and more pronouncedly white. Blooms in midsummer. Valuable for bouquets. Leaves turn a rich wine color in fall. Will stand any amount of drought. 2 ft.	1/4 oz., 75c	\$0.25	\$2.40
Myrsinites . A prostrate plant with beautiful bluish foliage, heads of yellow flowers. Spring 3 in.	1/8 oz., \$1.00	.35	....
Polychroma . The flowers are bright yellow changing to a rosy bronze. 15 to 18 in.	1/8 oz., \$1.80	.50	....

GAILLARDIA Grandiflora

Burgundy . Self colored wine-red, 2 1/2 in. in diameter, on long stiff stems, from June until fall. Comes 60% to 70% true, 30 in.	1/4 oz., 65c	.25	2.20
Dazzler . Large flowers, bright golden yellow with rich maroon-red center. 3 ft.	1/4 oz., 50c	.25	1.80
Goblin . Very compact globular plants, red and yellow bicolor.	1/4 oz., 65c	.25	2.20
Maxima Aurea . Very large golden yellow flowers with large red eye.	1/4 oz., 60c	.25	....
Monarch Strain . A robust strain very varied in coloring and with flowers of giant size and perfect form.	1/4 oz., 50c	.25	1.80
Portola Hybrids . The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2 1/2 to 3 ft.	1/4 oz., 50c	.25	1.80
Tangerine . Vivid tangerine orange.	1/4 oz., 50c	.25	1.80
The King Regalis . Deep red, edged gold, large flowers.	1/4 oz., 50c	.25	1.80
Torchlight . Bright golden yellow, rich maroon center. 2 ft.	1/4 oz., 50c	.25	1.80

Gas Plant, see Dictamnus.

Gerbera Jamesoni. New Flowerland strain. A popular greenhouse forcing perennial plant, fine for cutting. New seed is always available, as it is harvested at intervals during the year. 100 seeds, 45c; 500 seed \$1.75; 1000 seeds, \$3.00

Geum Borealis (True). Is an evergreen species with foliage rather prostrate and branching flower stems 8 to 12 in. long. Orange scarlet flowers produced abundantly over a long period.75

GEUM—Continued

Lady Stratheden × (Golden Ball). The blooms are large double rich golden yellow. 2 ft. 1/4 oz., 60c	\$0.25	\$2.00
Mrs. Bradshaw . × Large double fiery orange red. 2 ft.	1/4 oz., 60c	.25 2.00
Orange Queen . Large double orange-scarlet. 2 ft.	1/8 oz., 65c; 1/4 oz., \$1.20	.35 4.00
Prince of Orange . True orange. ....		.35
Mixed	1/4 oz., 60c	.25 2.20
Globularia Trichosanthes (Globe Daisy). Dwarf small globe-shaped flowers of dark blue. 12 in. ....		.50
Gypsophila Mangini . A splendid florist cut flower, strong growing "Pink Baby's Breath." 2 ft. 1/4 oz., 60c		.25 2.00
Oldhamiana . Great tangles of airy, misty blossoming in pinks. The florets are slightly more than a quarter of an inch in diameter and possess a white throat. Blooms in fall. The foliage is silvery overcast.	1/4 oz., 65c	.25 2.20
Pacifica . Starry pink blossoms on branching panicles. Good cut flower. Sept. and Oct. 4 ft.	1/4 oz., 75c	.25 2.70
Paniculata Snow-White Double . Pure white double strain. 2 ft.	1/4 oz., \$1.25	.50 4.40
Paniculata White . Small single white flowers in great profusion, useful for cutting. 40 in. 1/4 lb., \$1.50		.15 .50
Repens × White flowers, trailer, good border or rock plant. 6 in.	1/4 oz., 60c	.25 2.20
Rosea . Pink.	1/4 oz., 70c	.25 2.40
Helenium Autumnale Superbum . Broad heads of deep golden yellow flowers in late summer.	1/8 oz., 60c; 1/4 oz., \$1.10	.35
Bigelowi . Yellow dark disc, for cutting. 20 in. 1/4 oz., 90c		.35 3.20
Riverton Gem . Flowers open as old gold and terracotta changing to wallflower red. 3 1/2 ft. ....		.35
Helianthemum × Mutabile. Mixed Colors. (Rock Rose.) Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. 8 to 12 in.	1/4 oz., 40c	.20 1.40
Heliopsis Laevis Pitcheriana . Deep golden yellow flowers, 2 in. in diameter, very thick texture. Good cut flower. 4 ft.	1/4 oz., 65c	.25
Lemoine's Giant . A very brilliant border plant; flowers are double and semi-double golden yellow. A perennial that blooms from seed the first year. 1/4 oz., 70c		.35 2.40

Rock plants are followed by ×, and the heights given are of the plants when in bloom.



GYPSOPHILA Oldhamiana



LATHYRUS Latifolius

Seeds of Biennials and Hardy Perennials

Hesperis Matronalis (Sweet Rocket). Fragrant purple flowers in showy spikes. 40 in. Trade pkt. Oz. \$0.35

Matronalis Mixed. .35

Heuchera × **Sanguinea Splendens**. Bright vermilion. 1/16 oz., \$1.20 .50

Sanguinea Hybrida Mixed. 1/16 oz., 75c .35

Hoodacres Hybrids. Very vigorous and prolific. The bells much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. 1.00

Hibiscus Crimson Eye. White with red eye. 4 ft. 1/4 oz., 35c .20 \$1.20

Jumbo Red. Special selection made to improve color and size of Mallow Marvels Red. 1/4 oz., 50c .25 1.75

Mallow Marvels. Mixed. 4 ft. 1/4 oz., 35c .20 1.20

Red. 1/4 oz., 35c .20 1.20

Rose. 1/4 oz., 35c .20 1.20

Hollyhocks. Double.

Appleblossom

Chamois. Buff yellow

Crimson

Deep Salmon Red

Lilac Beauty

Maroon

Deep Rose. Carmine rose

Newport Pink

Purple Robe

Salmon Rose

Scarlet (Blood Red)

White

Yellow

Trade pkt. Oz

Each of above. 1/4 oz., 50c \$0.30 \$1.50

Write for special prices on larger amounts.

Chater's Prize. Double mixed. 1/4 oz., 50c .30 1.50

Palling Belle. Lovely silvery pink flowers. 1/4 oz., 65c .35

Imperator, Improved ("Begonia Flowered" Crested Mixed). Collar of frilled and fringed edges. 1/4 oz., 55c .30 1.80

Souvenir Mixture. Semi-double with notched or toothed edges. Rich yellows and pinks, very pleasing. 1/4 oz., 50c .30 1.50

Triumph. Double waved and fringed flowers in delicate art shades. 1/4 oz., 50c .30 1.50

Vaughan's Special Mixture includes all Doubles, Imperator, Triumph and Allegheny. 1/4 oz. 50c .30 1.80



HOLLYHOCK Chater's Double Mixed



HIBISCUS



LINARIA Dalmatica

Rock plants are followed by X, and the heights given are of the plants when in bloom.



LILIAM Longiflorum Praeox White Queen



LOBELIA Cardinalis



LUNARIA Biennis

Seeds of Biennials and Hardy Perennials

HOLLYHOCKS—Continued

	Trade pkt.	Oz.
Single mixed.....	\$0.25	\$0.75
Allegheny. Mammoth-flowering. Semi-double flowers. Mixed.....	1/4 oz., 25c	.15 .70
Everblooming Double Hybrids, mixed. If sown early will bloom first year.....	1/4 oz., 40c	.25 1.20
Indian Spring. It produces flowers of varying attractive bright rose and rosy carmine shades. Double and semi-double. Blooms from seed first year if sown early.....		
.....	1/4 oz., 50c	.25 1.60
Iris Dichotoma, August or Vesper Iris. Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet purple with markings of buff, orange, copper, brown, mahogany, and rose. Sow seed in early spring while soil is cool. Usually a fair proportion will bloom the first summer.....		
.....	1/4 oz., 65c	.35 2.20
Kaempferi. Mixed. Most seedlings bloom the second year. 18 in.....	1/4 oz., 35c	.20 1.00
Siberian Mixed. 36 in.....	1/4 oz., 35c	.20 1.00
Isatis Glauca. (Golden Gypsophila). Foliage silvery gray-green. Clouds of fine yellow flowers in July. 2 ft.		
.....	1/4 oz., 60c	.35
Kenilworth Ivy X (Linaria Cymbalaria). Pretty trailing variety. Pink.....		
.....		.25
Lathyrus Latifolius (Everlasting Pea). Mixed.....		
.....	1/4 oz., 30c	.20 1.00
Latifolius Pink Beauty. Large racemes of pleasing deep rose flowers. 6 ft.....	1/4 oz., 30c	.20 1.00
Red. Magenta. 7 ft.....	1/4 oz., 30c	.20 1.00
White Pearl. Lovely sprays of large sweet pea-like flowers, each spray having 12 to 15 blooms. In flower all summer. 5 ft.....	1/4 oz., 30c	.20 1.00
Lavandula Vera. Munstead Strain. Large sweet-scented flowers in abundance. It flowers a month earlier than the common Lavender; height not exceeding 1 foot, an improved Vera;		
.....	1/4 oz., 85c	.35 3.00
Liatris Pycnostachya. Long spike of brilliant rose-purple flowers. Aug. to Oct. 4 ft.....		
.....	1/4 oz., 60c	.30 2.00
Spicata (Blazing Star). Purple rose, 20 in.....	1/4 oz., 90c	.35 3.20
Scariosa. Violet-purple. 4 ft.....		.35
Alba. Is stocky, almost bushy and has several full flowering stalks growing about 2 1/2 ft. high. The flowers are attractive white pompons thickly studding the main stalk as well as the branches.	1/4 oz., \$1.50	.50 5.50

	Trade pkt.	Oz.
Linaria Cymbalaria, X Pink. 3 in.....	\$0.25	....
Dalmatica. Lemon yellow. 3 ft.....	1/4 oz., 40c	.25 \$1.40
Macedonica Speciosa. Nymph. Creamy white. 36 in.	1/4 oz., 75c	.35

Lilies

Culture on Lilies from seed sent free with order.

Creole X White Queen Hybrid. A lovely addition to this popular family. The flowers are pure white, longer and larger trumpets of much more substance than White Queen.....100 Seeds \$1.00

Longiflorum Praeox (White Queen). Produces blooms of the well known Erabu type in from 12 to 15 months after sowing. Long trumpet flowers of clear white. 1/2 trade pkt., 60c; trade pkt., \$1.00; 1/8 oz., \$1.75 1/4 oz., \$3.20; oz., \$12.00.

Regale. Pink outside, interior primrose-yellow. 3 to 5 ft..... 1/4 oz., 35c | \$0.20 \$1.20 |

Tenuifolium (Siberian Coral Lily). Flowers dazzling coral red flowers up and down the stem. 20 in..... 1/4 oz., 40c | .25 1.40 |

Linum Alpinum. X Pale blue. Prostrate habit..... .50 | |

Perenne (Perennial Flax). Very pretty pale blue flowers on slender stems. 30 in..... .15 | .50 |

Perenne Fl. Album. Neat white flowers. 30 in..... .20 | .80 |

Flavum. Fine variety with transparent yellow flowers. 1 to 2 ft..... 1/4 oz., 75c | .25 |

Compactum Nanum. X Glowing golden yellow, dark green foliage. Everbloomer, 6 in..... 1/16 oz., 70c | .35 |

Lewisii. An exceedingly robust species with great arching sprays of fragrant blue flowers with pale blotches. 2 1/2 ft..... 1/4 oz., 75c | .35 2.60 |

Narbonense. Azure blue, flowers with white eye, graceful habit. 30 in..... 1/4 oz., 75c | .35 2.60 |

Heavenly Blue. The flowers are twice as large as the common Linum perenne. The color is a luminous ultramarine blue..... 1/8 oz., 65c; 1/4 oz., \$1.10 | .35 |

Lobelia Cardinalis (Cardinal Flower). Rich, fiery cardinal flowers. 36 in..... 1/4 oz., 80c | .25 2.80 |

Lunaria Biennis. (Honesty). Lilac purple flowers, silvery pod..... 1/4 oz., 35c | .25 1.20 |

Biennis Alba..... 1/4 oz., 35c | .25 |

Mixed..... 1/4 oz., 35c | .25 1.20 |



LUPINUS Polyphyllus
Russell Mixture



MATRICARIA Double Select White



PENSTEMON

Seeds of Biennials and Hardy Perennials

Lupinus Polyphyllus.

Trade pkt. Oz.

Albus. Large, pure white spikes. 2 to 3 ft. $\frac{1}{4}$ oz., 25c \$0.15 \$0.80

Carmineus. Carmine shades. $\frac{1}{4}$ oz., 50c .25 1.60

Coeruleus Blue. $\frac{1}{4}$ oz., 35c .15 1.00

Roseus. Very pretty rose shades. 3 ft. $\frac{1}{4}$ oz., 85c .35 2.80

Six Hills Scented. Flowers are sweetly scented and have a great range of color. $\frac{1}{4}$ oz., 40c .25 1.20

Downer's Hybrids. Perpetual flowering hybrids. $\frac{1}{4}$ oz., 50c .25 1.60

Russell. A marvelous selection of Perennial Lupins. Most unusual colors and color combinations; some flowers are self colors and many bicolors, the standard being of one color and the keel of another. The flowerettes are much larger than the other Polyphyllus varieties. The spikes are crowded with blossoms and resemble a closely set well rounded column of Sweet Peas. Useful as a cut flower.

Grown from originator stock seed. $\frac{1}{4}$ lb., \$6.00; 1 lb., \$20.00. .35 1.80

Sunshine Arborous type. Light yellow. $\frac{1}{4}$ oz., 40c .25 1.20

Vaughan's Special Mixture. This is a choice mixture of the best perennial Lupins. $\frac{1}{4}$ oz., 30c .20 1.00

Lychnis Alpina. X Rose. 12 in. .35

Arkwrightii. Large flowers in brilliant colors, varying from orange-scarlet to soft salmon-pink. May. 2 to 3 ft. .25

Chalcedonica Salmon Queen. Beautiful salmon shade. 3 ft. .25

Chalcedonica. Vivid scarlet flowers. 36 in. $\frac{1}{4}$ oz., 40c .25 1.40

Haageana Scarlet. Large brilliant orange scarlet flowers. 18 in. $\frac{1}{4}$ oz., \$1.00 .35

Viscaria Splendens. Early, deep rose, 16 in. $\frac{1}{4}$ oz., 50c .25

Lythrum Roseum Superbum. Rose-purple in spikes. A good border plant. 40 in. $\frac{1}{4}$ oz., 50c .25 1.75

Superbum, The Beacon. Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting. $\frac{1}{4}$ oz., 75c .35 2.50

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Matricaria. (Feverfew). Double Select White (Ball's Double White). This is the one and only fully double-flowering pure white strain of Feverfew from seed. It is 98% true to this description. 18 in. grown outside, 2 to 3 ft. when grown under glass. Trade pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75.

Matricaria Golden Ball. Striking double golden yellow. Trade pkt. Oz. 8 in. $\frac{1}{4}$ oz., 60c \$0.25 \$2.00

Snowball. Double white. 8 in. $\frac{1}{4}$ oz., 60c .25

Myosotis. See Forget-Me-Not.

Native Wild Flowers. Mixed. $\frac{1}{4}$ oz., 60c .25 2.20

Nepeta Mussini. X Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. 1 ft. $\frac{1}{4}$ oz., 60c .25

Nierembergia Hippomanica (Coerulea). The lovely lavender-blue flowers, heightened by a touch of yellow in the center, are most charming. Plants are compact, not over 5 or 6 inches tall. As an edging plant it is unexcelled, and it makes a splendid pot plant. It is a half hardy perennial which will winter over if given some protection. $\frac{1}{32}$ oz., \$1.00; $\frac{1}{16}$ oz., \$1.75 .50

Coerulea, Purple Robe. Similar to Nierembergia Hippomanica, except several shades deeper blue or violet-blue in color, from which it was selected. $\frac{1}{32}$ oz., \$1.65; $\frac{1}{16}$ oz., \$3.00 .50

Oenothera. Lamarkiana. Large yellow flowers on long spikes, 2 ft. .15 .50

Penstemon. Digitalis. White tinted violet. 36 in. $\frac{1}{4}$ oz., 80c .25

Heterophyllus. Blue Gem. X Flowers bright gentian-blue shaded with light violet. June to August, 14-18 in. $\frac{1}{4}$ oz., 80c .25 2.80

Grandiflorus. Excellent, easily grown, long lasting cut flower. Lavender-blue. 3 ft. $\frac{1}{4}$ oz., \$1.00 .30 3.60

Ovatus. Base branching plants, with flowers carried in loose clusters well above the foliage. Blossoms of a most attractive lavender, buds a bit deeper color. Foliage is a glorious copper crimson in fall. $\frac{1}{4}$ oz., 80c .25 2.80

Pubescens. Violet-purple, lips white. 18 in. $\frac{1}{8}$ oz., \$1.00 .35

Perennial Varieties. Mixed. $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.10 .35



ORIENTAL POPPIES

Seeds of Biennials and Hardy Perennials

POPPY

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water and your Poppies will last from three days to a week in the house, or you can put them in full sun and they will stand up two or three days, or until the petals drop, without wilting.

- Papaver Nudicaule** × (Iceland). Amurense "Yellow Trade pkt. Oz.
Wonder." Large flowers of buttercup-yellow are
freely produced on stems 25 inches long. Foliage
is glaucous, covered with short hairs. ¼ oz., 65c \$0.25 \$2.40
Coonara. Salmon, pink and rose shades. 1½ ft. .25 2.20
..... ¼ oz., 65c
Gibson's Giant Orange. .25
The Empress. Flower large, full, well formed, with
broad overlapping petals, deeply fluted or
wrinkled. The colors range through lovely shades
of salmon-rose and creamy pink. ¼ oz., 70c .25 2.40
The Emperor. Large-flowered, orange, long-
stemmed. ¼ oz., 70c .25 2.40
Gartford Giant Art Shades. This mixture is an
excellent strain with exceptionally fine large
flowers, beautifully fluted and soft textured,
carried on extremely long heavy, wiry stems. The
color range includes lovely pastel shades. ¼ oz., 65c .25 2.20
Red Cardinal. 12 in. Brilliant cardinal red. ¼ oz., 65c .25 2.20
Sanford's Giant Hybrids. The flowers are immense,
2½ to 3 inches in diameter. The color balance
is excellent. The stems longest we have seen.
Extremely free-flowering. 2 ft. ¼ oz., 65c .25 2.20
Vaughan's Special Mixture of Iceland Poppies,
containing every worthwhile strain of these
beautiful and useful Poppies. ¼ oz., 80c .25 2.80

ORIENTAL POPPY

The named varieties of Oriental Poppies do not
come entirely true from seed.

- Orientele** (Oriental Poppy). Scarlet... 3 ft. ¼ oz., 55c .25 1.80
Brilliant. Brilliant fiery red. 40 in. ¼ oz., 80c .35

ORIENTAL POPPY—Continued

Trade pkt. Oz

- Beauty of Livermere.** Oxblood-red with dark
blotch. ¼ oz., \$1.00 \$0.35 \$3.40
Mahony. Maroon-crimson. 40 in. .35
Mrs. Perry. Salmon-rose. ½ oz., 1.00 .35
Perry's White. White flowers with a tinge of blush. .50
Princess Victoria Louise. Flowers rather small,
resembling a large tulip; perfect form; light
orange-salmon. 40 in. ¼ oz., \$1.50 .35
New Oriental Hybrids. From a collection of new
named sorts. ¼ oz., \$1.00 .35 3.50
Vaughan's Special Mixture. ¼ oz., \$1.00 .35 3.50

Phlox. Decussata Mixed. 2-3 ft. This special mixture
comes from a superior collection of large-flowering
sorts. We flowered this mixture in our nursery last
summer and were greatly pleased with the size of
the flowers and flower-heads and colors. Perennial
Phlox do not come true from seed and can be had
only in mixture. Seed germinates slowly. ¼ oz., 90c .30 3.20

Physalis Franchetti Gigantea (Chinese Lantern Plant).
Large bright orange scarlet pods, useful for winter
decorations. ½ oz., \$1.00; ¼ oz., \$1.75 .35

Physostegia Virginica Rosy Spire. Three to six foot
spikes of large tubular rich rose colored flowers. .50
..... ½ oz., 80c; ¼ oz., \$1.50

Virginica Vivid. (Obedient Plant). 20 in. It blooms
three weeks later than the other Physostegias; the
individual flowers are larger and of a deeper, more
vivid pink. ½ oz., 70c; ¼ oz., \$1.25 .50 4.00

Platycodon Grandiflorum. Blue, 28 in. ¼ oz., 80c .35

Grandiflorum. Album. White, 28 in. ¼ oz., 55c .25 1.80

Mixed, 28 in. ¼ oz., 60c .30

Coeruleum Plenum Double Blue. ½ oz., \$1.00 .50

Praecox Gigantea. Early-flowering blue. ¼ oz., 80c .35

Gigantea. Early Flowering White. ½ oz., 70c .35

Mariesii. Dark blue, dwarf. 16 in. ¼ oz., 80c .25 3.00

Alba. White and faint blue, dwarf. 16 in. ¼ oz., 80c .25

Polemonium Coeruleum Album. White. 30 in. .35

Richardsoni. Dwarf, blue, early. 20 in. ¼ oz., 80c .25

Reptans. Flower sprays of china blue. Mounds of
blossoms. 12 in. .35

Polyanthus (See *Primula Veris*).

Potentilla Formosa × Cherry-red. 12 in. ½ oz., 50c .25

Warrensi. A lovely plant for the sunny hardy
border. Covered with large, pure yellow blossoms
all summer. Suitable for cutting. 2 ft. ¼ oz., 70c .25

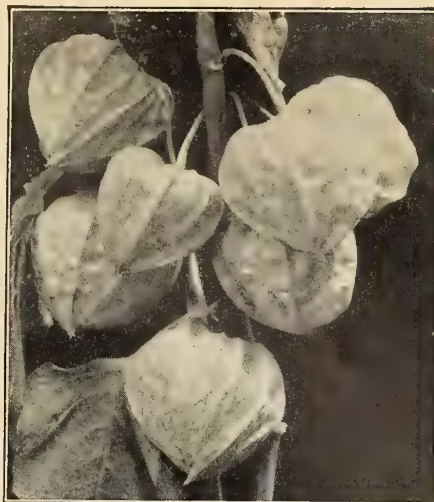


PLATYCODON

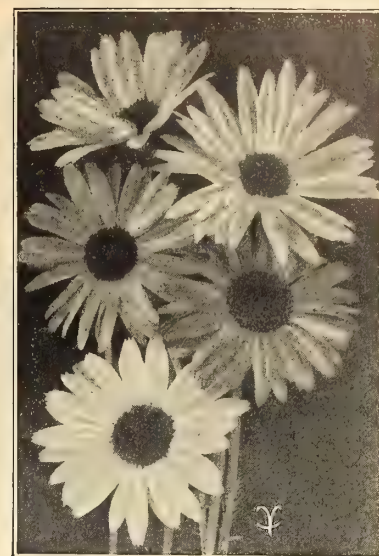
Rock plants are followed by X, and the heights given are of the plants when in bloom.



PRIMULA Veris Monarch Strain



PHYSALIS Franchetti Gigantea


 SINGLE PYRETHRUM
Robinson's Giant Hybrids Mixed

Seeds of Biennials and Hardy Perennials

PRIMULA

- Acaulis Blue. The finest obtainable being regular and Trade pkt. Oz.
rich in color. 100 seeds, 65c; 500 seeds, \$2.75;
1000 seeds, \$5.00.
- Auricula. X Extra Large Flowered. Mixed, 6 in.
..... 1/8 oz., \$1.80; 1/4 oz., \$3.20 \$0.75
- Bullesiana Hybrids. X Fine shades of yellow, orange,
apricot and carmine. May-June. 18 in.50
- Cortusoides. Rosea. Soft wrinkled heart shaped leaves,
10 in.50
- Florindae. Fragrant, bright yellow pendent flowers.
3 to 4 ft. 1/16 oz., \$1.00 .50
- Japanica Mixed. Bright flowers borne in whorls on
stems 6 to 9 in. long. 1/8 oz., \$1.00 .50
- Japanica. X Special Strain. Mixed. 20 in. 1/16 oz., 85c .50
- Etna. Flowers of a warm terra cotta shade.50
- Officinalis. Cowslip, yellow. 10 in. 1/4 oz., \$1.20 .35
- Sieboldii. A charming and decorative race of Primulas
requiring light woodland conditions of partial shade
and a cool leaf soil, under which conditions they
increase vigorously, slight protection is desirable in
very cold weather. The large rich green leaves are
crinkled and scalloped and the upright stems bear a
quantity of large brightly colored flowers in April
and May. 9 in. They also make splendid pot-plants
for the cold greenhouse. They vary from pure un-
marked white, through the palest pink and deep
lavender to cerise. Some have white faces backed
in pink or lavender. 1/16 oz., \$1.00 .50
- Veris Kleynii. Extra long heavy stems, averaging 12
inches, immense heads of 15 to 25 florets, each floret
1 to 1 1/2 inches in diameter, rich golden yellow shaded
apricot. Plants average 6 large spikes each. Is also
hardy outside anywhere in the U.S.A. 100 seeds, \$1.00
- Monarch Mixed. Is the result of years of selection to
fix a strain free from objectionable loose headed
plants. The flowers are produced from a stiff and
strong central stem. Strong and vivid colors are in
majority, but soft art shades occur in sufficient num-
ber to create a perfect blend of colors. 1/4 oz., \$4.00 .75 \$15.00
- Grandiflora. Mixed. 1/4 oz., \$3.00 .75
- Giant Bouquet. A magnificent development of this
old garden favorite, the flowers being of excep-
tional size, often 2 inches across. They are pro-
duced in great numbers and display an immense
variety of coloring from white to cream, yellow,
scarlet, purple and crimson. Borne on strong stems
they are excellent for cutting, as well as making
a splendid show in the garden. 1/16 oz., \$2.00; 1/8 oz., \$3.50 1.00
- Vulgaris. X True. Yellow Primrose. 6 in.
..... 1/8 oz., \$1.00; 1/4 oz., \$1.75 .50

Rock plants are followed by X, and the heights given are of the plants when in bloom.

PRIMULA Veris—Continued

PYRETHRUM (Painted Daisies)

Trade pkt. Oz.

- Roseum. Atrosanguineum. Dark red shades. \$0.50
- James Kelway. Deep scarlet varies. 1/8 oz., \$1.80 .75 \$12.00
- Single mixed. 1/8 oz., \$1.00 .50
- Robinson's Giant Hybrids. Mixed. 1/8 oz., \$1.35 .75
- Giant Dark Crimson. Single large disk-like
flowers of rich crimson red, flowers freely, fine
for cutting. 1/8 oz., \$1.35 .75
- Rock Plants. Perennial Mixed. 1/4 oz., 40c .25 1.40
- Rudbeckia Hirta Herbstwald (Autumn tints). Well
formed, large starflowers in yellow, bronze and brown
shades on long, firm stems. 1/4 oz., 40c .25 1.40
- Purpurea (Echinacea). 4 ft. 1/4 oz., 60c .25 2.00
- Ruellia Ciliosa. In form and coloring the flowers
resemble Petunia Heavenly Blue, with the same
silvered sky-blue and lavender reflections. It likes full
sun and hot dry places. Sown in very early spring, will
often bloom first year. 1 ft.35
- Salvia Azurea Grandiflora (Pitcheri). Tall growth and
long stalks. The deep blue flowers in long
racemes. 1/4 oz., 60c .25 2.00
- Patens. Very large flowers, splendid blue, free
bloomer. 1/4 oz., \$1.40 .50 5.00
- Pitcheri. See Azurea Grandiflora.
- Saponaria X Ocymoides Splendens. Rosy pink.
Pretty border or rock plant. 1/4 oz., 65c .25 2.20
- Saxifraga. Mossy Varieties mixed.50
- Scabiosa Caucasica Alba. Pure white. 40 in. 1/4 oz., \$1.00 .35 3.60
- Caucasica Perfecta. Lavender. Improved form, fringed
flowers, very large and beautiful. 1/4 oz., 65c .30 2.40
- House's New Hybrids. Flowers very large and of
beautiful form, ranging in color from light azure-
blue and lavender to deep blue and silvery white.
..... 1/4 oz., 90c .35 3.20
- Goldingensis. Large flowers, waved petals, small
center, deep lavender. 1/4 oz., 90c .35
- Vaughan's Special Mixture. All the above Cauca-
sica types. 1/4 oz., 90c .35 3.20
- Fischeri. Flower is 2 1/2 inches across and is beautiful
rich violet blue color. 2 1/2 ft. 1/4 oz., 65c .30 2.20
- Sidalcea Rose Queen. Splendid rose flowers. 1/4 oz., 65c .25 2.20
- Rosy Gem. Mallow rose, 18 in.25
- New Hybrids. Mixed.25



SALVIA Azurea Grandiflora (Pitcheri)



STOKESIA Cyanea



VALERIANA Garden Heliotrope

Seeds of Biennials and Hardy Perennials

Silene Orientalis. X Bright red flowers in terminal umbels. 30 in. Trade pkt. Oz. $\frac{1}{4}$ oz., 40c \$0.25

Schafta. X Bright pink, trailing habit, July. 8 in. $\frac{1}{4}$ oz., 65c .25 \$2.20

Statice Latifolia. Small lavender-blue flowers in large panicles. 1 ft. $\frac{1}{4}$ oz., 60c .25 2.20

Caspia. Tender lilac color. See illustration. 30 in. $\frac{1}{4}$ oz., 65c .25 2.20

Dumosa. Dense cushions of pure silver-gray flowers; an improved Tatarica. 30 in. $\frac{1}{4}$ oz., 85c .35 3.00

Perezii. Free-flowering lavender species, 30 in. $\frac{1}{4}$ oz., 55c .25 2.00

Stokesia Cyanea (Stoke's Aster). Large blue flowers, dwarf habit, beautiful late bloomer. $\frac{1}{4}$ oz., 65c .25 2.20

Cyanea Alba. Blush white variety. 16 in. $\frac{1}{4}$ oz., \$1.00 .35

Sweet William. See *Dianthus Barbatus*.

Thalictrum (Meadow Rue). *Aquilegifolium*. Graceful foliage, mixed colors. 40 in. $\frac{1}{4}$ oz., 60c .25

Dipterocarpum. Lovely mauve flowers in large panicles, most charming for cutting. 4 to 5 ft. .50

Thermopsis Caroliniana. Yellow pea-shaped flowers in long racemes. 3 ft. $\frac{1}{4}$ oz., 65c .25 2.20

Montana. Dwarf. Pale yellow. $1\frac{1}{2}$ ft. $\frac{1}{4}$ oz., 70c .25 2.40

Tritoma Hybrida, Perpetual-Flowering. Mixed. 3 ft. $\frac{1}{4}$ oz., 65c .25 2.20

Hybrida Mirabilis. Blooms first year from seed. $\frac{1}{4}$ oz., 60c .25 2.00

Miracle Mixture. Best of all. $\frac{1}{4}$ oz., 85c 30 3.00

Pfitzer's Hybrids. Large brilliant red. $\frac{1}{4}$ oz., 65c .25 2.20

Trollius (Globe Flower) *Ledebouri*. Late-flowering, large orange-yellow flowers. 2 ft. $\frac{1}{4}$ oz., \$1.20 .50 4.00

Ledebouri Golden Queen. Large flowers, petals golden orange, yellow anthers. 3 to 4 ft. $\frac{1}{4}$ oz., \$2.00 .50

Giant Devonshire. The flowers are 2 to 3 inches across of a glistening glowing orange. .50

Mixed. $\frac{1}{4}$ oz., \$1.20 .35 4.00

Soak Trollius seed in hot water 30 minutes before sowing.

Tunica X *Saxifraga*. A very pretty tufted plant with light pink flowers produced all summer. $\frac{1}{4}$ oz., 60c .35 2.00

Valeriana Alba white (Garden Heliotrope). 36 in. Trade pkt. Oz. $\frac{1}{4}$ oz., 65c \$0.25

Rubra (Coccinea). Purple rose. 36 in. $\frac{1}{4}$ oz., 50c .25 \$1.80

Mixed. $\frac{1}{4}$ oz., 60c .25

Officinalis. Heads of rose-tinted white flowers with strong heliotrope odor. June-July. 4 ft. .35

Verbascum Miss Willmott. Large yellowish white flowers. 5 ft. $\frac{1}{4}$ oz., 55c .25

Harkness Hybrids. Immense spikes of pure yellow, tall vigorous habit, splendid variety. 7 ft. $\frac{1}{4}$ oz., 55c .25 2.00

Olympicum. Silvery foliage, golden yellow flowers. 6 ft. $\frac{1}{4}$ oz., 75c .35

Phoenixium Hybrids. Mixed. Graceful spikes in various shades. 2 ft. $\frac{1}{4}$ oz., 80c .35

Verbena Bonariensis. Upright growing, slender branched stems, numerous terminal umbels of rosy lavender flowers. Germination takes full six weeks unless sown in a temperature of 75 degrees. 3 to 4 ft. $\frac{1}{4}$ oz., 50c .25 1.40



STATICE Caspia

Rock plants are followed by X, and the heights given are of the plants when in bloom.



VIOLA Cornuta. In Flower All Summer.

Seeds of Biennials and Hardy Perennials

Veronica. Incana (Candida). Ageratum-blue, silvery foliage. 12 in.....	Trade pkt. Oz.	
Longifolia (Maritima). Compact clusters of blue flowers. 30 in.....	1/4 oz., \$1.00	\$0.35 \$3.00
Spicata. Various shades. 1 1/2 ft.....	1/4 oz., 80c	.25 3.00
Blue Fay is larger growing than ordinary Spicata, being sort of midway between that and Longifolia subsessilis. It has the shiny foliage instead of glaucous and the color is a good bright blue, with good spikes.....		
	1/4 oz., \$1.20	.35 4.00
Tetorium Royal Blue. Dwarf bushy habit, bright dark blue flowers. 1 ft.....		.50
Perennial. Mixed.....		.50

Viola

In most cases the true Violas are a better bedding subject than many Pansies.

Cornuta Apricot. Tinted orange at base.....	Trade pkt. Oz.	
		\$0.50
Arkwright Ruby. Bright ruby crimson, with central markings; velvety; fragrant.....	1/8 oz., \$1.20; 1/4 oz., \$2.20	.35 \$8.00
Avalanche. Giant pure white.....	1/8 oz., \$1.80	.50
Bizarre. A most extraordinary coloring, the two upper petals being pure violet-purple and the lower three clear apricot.....		.50
Blue Beauty. Bright blue, early, free flowering...		.50
Blue Butterfly. Mid-blue shading to white. Resembles Pansy Beaconsfield.....	1/4 oz., \$1.20	.35 4.00
Blue Perfection. Light blue, large flowered. 8 in.	1/4 oz., 85c	.35 3.00
Chantreyland. Masses of beautiful flowers in rich apricot shade, tinted orange.....	1/4 oz., \$1.40	.50 4.40
Chinese Blue is a round-faced type of Viola such as Jersey Gem, Chantreyland, or Blue Perfection. Chinese Blue, according to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott.....		
		.50
Jersey Gem. Compact habit, deep violet-blue. 8 in..		
Free flowering.....	1/4 oz., \$3.50; 1/8 oz., \$2.00	.50
King Henry. Rich violet blue lavender center with small yellow eye.....	1/8 oz., \$1.00	.50
Lutea Splendens. Chrome yellow. 8 in. 1/4 oz., 85c		.35 3.00
Papilio. Blue and white. 6 in.....	1/4 oz., 85c	.35 3.20
Primrose Perfection. Beautiful shade of primrose, fine form.....		.35

Rock plants are followed by X, and the heights given are of the plants when in bloom.

VIOLA CORNUTA—Continued

Trade pkt. Oz.

Puck. Upper petals purple-velvet, lower clear yellow.....		\$0.50
Wedgwood. Wonderfully hardy and free blooming, the flowers are deep, clear Wedgwood blue, and shaped like pansies. This is one of the most charming Violas you can grow.....	.75	....
Yellow Gem. Compact habit, clear yellow flower.....	1/4 oz., 85c	.35 \$3.00
White Perfection. White. Large flowered. 8 in.	1/4 oz., 85c	.35 3.00
Vaughan's Special Mixture. The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture.....		
	1/4 oz., \$1.20	.35 4.00
Large Flowering Scotch. This strain will have large flowers. The color range is from white through all intermediate shades to purple all with two tones effect without blotches.....		
	.50	....
Baby Delight. Early flowering, blooming in 70 days from seed. Makes compact bushy growth. The flower is lovely light blue, with a pleasing "face," about one inch in diameter.		
	1/4 oz., \$1.30	.35 4.80
Mrs. A. H. Scott. 4 in. Similar in color to Beaconsfield but much brighter. An excellent rock plant.....		
	.35	....

Viola—Various Types

Blue Elf. 9 in. The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center. Flowers 3/4 in. in diameter, small dark green foliage. A perennial best treated as an annual. Seed sown in March will begin blooming in June and continue to August.....		
	1/8 oz., \$1.65; 1/16 oz., \$1.00	.50
Bosniaca. Free-blooming, small deep purple flowers. 4 in.		
		.50
Florariense. Beautiful lavender.....		
	1/16 oz., \$1.00	.50
Johnny Jump Up. Little Pansy faces of purple, blue and yellow.....		
	1/8 oz., 80c; 1/4 oz., \$1.50	.35
Jooi. (Jewel Violet). In full flower by early April, before its own leaves appear. It is then a cushion mound of pink lilac, hundreds of blossoms in a veritable color-turf of their own making. Usually blooms again in autumn.....		
	.50	....
Nigra (Bowles Black Pansy). Interesting and attractive little pansy, pretty small black flowers.....		
	1/8 oz., \$1.00	.50

Annual Wallflowers with their deliciously scented flowers are a worthwhile early Spring crop when grown in a limited way. Seed sown in September and benched in due course will flower about mid-February on to April. They like rich soil and a temperature of 45 to 50 degrees.

Wallflower. Double Annual "Early Wonder." This remarkable Wallflower comes into bloom within five months from sowing. These must be grown in 4-inch flats; they do not like too much root room. 2 ft.

Canary-Yellow (Gold Standard).....	1/4 oz., 80c	.35
Double Annual Early Wonder, Mixed....	1/4 oz., 60c	.25 2.00
Single Parisian Forcing, mixed. 15 in.....		.20 .80
Annual Blood-Red.....		.15 .70
Yellow, 20 in.....		.15 .70
Wistaria Sinensis. A beautiful Chinese climber; flowers pale lilac purple, borne on long drooping racemes.		
	lb., \$5.00	.20 .60
Yucca Filamentosa (Adam's Needle). Broad, sword-like evergreen foliage, immense branching spikes of drooping creamy white flowers.....		
	1/4 oz., 50c	.25 1.40

Vaughan's Peonies

5 of a Kind at the 10 Rate — 30 of a Kind at the 100 Rate

WE HAVE an exceptionally large stock of our own growing, Strictly true to name, all in strong divisions, with from 3 to 5 eyes each.

The figures preceding the varieties are the rating given to them by the American Peony Society.

Peonies in established plantings need to be fed each Spring. A top-dressing of a good commercial fertilizer well worked in will do wonders, but it should be applied early.

WHITE AND LIGHT SORTS

	Each	10	100
8.8 Alsace Lorraine. Creamy white, center tinted Havana brown. Very beautiful form; late midseason...	\$0.40	\$3.00	\$25.00
8.1 Couronne d' Or. Snow-white with golden stamens. Late.....	.40	3.00	22.00
8.1 Duchess de Nemours. Superb cup-shaped, sulphur-white flowers. Early; free flowering; fragrant.....	.40	3.00	22.00
9.3 Festiva Maxima. Very popular large white. Early.....	.40	3.00	23.00
9.1 Frances Willard. Exquisite blush-white, of good substance and a fine cut flower variety.....	.50	4.00	30.00
7.9 Mad. de Verneville. Fragrant flowers, very full double, pure white, with center delicately tinted blush. Early.....	.40	3.00	22.00
9.4 Mme. Jules Dessert. White with delicate tints of flesh and straw. Strong growing, free flowering and a great prize winner; midseason.....	.50	4.00	35.00

LIGHT AND DARK PINK AND ROSE

	Each	10	100
8.7 Claire Dubois. Clear, satiny pink, with glossy reflex. Late midseason.....	\$0.40	\$3.00	\$25.00
7.8 E. G. Hill. Carmine rose; early midseason.....	.50	4.00	30.00
7.6 Edulis Superba. Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.....	.40	3.00	22.00
8.9 Georgiana Shaylor. Pale rose-pink; midseason.....	.50	4.00	30.00
9.2 Mons. Jules Elie. By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety.....	.50	4.00	35.00
8.7 Reine Hortense (President Taft). One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason.....	.40	3.00	25.00

RED AND CRIMSON

	Each	10	100
8.4 Felix Crousse. Large globular blooms of rich, even, brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety.....	.40	3.00	23.00
8.2 Grover Cleveland. Rich dark crimson; late.....	.50	3.50	25.00
8.8 Karl Rosefield. Very large flower, globular, semi-rose type. Extremely vigorous grower; tall, early.....	.40	3.00	23.00
9.0 Longfellow. Bright crimson. Semi-rose type; tall; late midseason.....	.50	4.00	.....
8.6 Officinalis Rubra Plena. Old-fashioned early red usually in bloom by Decoration Day.....	.50	4.00	35.00

JAPANESE-FLOWERED PEONIES

	Each	10	100
8.2 Gold Mine. Petals deep rose; deep gold center....	\$0.40	\$3.00	\$22.00

SINGLE PEONIES

Unusually fine for Landscape Work

Single Pink. Large clear pink.....	.40	3.00	22.00
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UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

	Each	10	100
Double Pink.....	\$0.35	\$2.50	\$20.00
Double White.....	.40	3.00	22.00
Double Red.....	.40	3.00	22.00

Our complete collection of Peonies, including new varieties, will be listed with prices in our Fall Book For Florists, ready about September 1st.

VAUGHAN'S IRISES

We have a large collection of Hardy German and Japanese Irises, including the best of the newer varieties. Write for price list which will be ready in early July.

Hormones

Hormodin Powder Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., \$6.00.

No. 1 Powder 1 3/4-oz. tin, each, 50c; lb., \$3.00.
No. 2 Powder 1 3/4-oz. tin, each, 75c; 1 lb., \$4.50.
No. 3 Powder 1-oz. tin, each, \$1.00; 1/2 lb., \$4.50.

ROOTONE

PATENTS PENDING



treat 3,000 cuttings, \$1.00; 1-lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet, all postpaid.

Rootone No. 10. For show-to-root evergreen cuttings. 2 oz., \$2.00. 1 lb. \$10.00.

Transplantone For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. 1/2 oz., pkt., each, 25c; doz., \$2.00; 3 oz., \$1.00; 1 lb., \$4.00.

Fruitone. The hormone spray for stopping pre-harvest drop of apples and other fruits. Also reduces drop of flowers and leaves. 2 1/2 oz. pkt. dozen, \$2.00, retails at 25c per pkt.; 2 oz., \$1.00, (makes 25 gal. spray); 12 oz., \$5.00. Write for price on larger quantities.

Mackwin Vitamin B1. The bottle has a dropper top 2-oz. bottle, each \$1.00; display box of 12 bottles, \$7.33.

A display card of 24—1/2 oz. bottles of liquid vitamin B1. Price \$5.30; retails at 35c each.

Stimroot. An improved rooting compound which has been developed after extensive testing by a well known research organization. It contains several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that helps retard the development of many kinds of fungi that contribute to the rot of cuttings while in the cutting bench. It is so formulated that a small amount of dust will effect a complete and even coating on each cutting. In this way a pound of dust will go further. Price, 1/2 oz. packet retails at 25c, per dozen \$1.80; 2 oz. retails at \$1.00, per dozen \$7.20; 1 lb. retails at \$5.00, each \$3.25; six for \$18.00.

Sphagnum Moss

Bright, Clean, New Growth, Free from Brush or Grass

THE BEST GRADE OF SPHAGNUM

is being worked out in Wisconsin districts. Choice dependable quality is worth more money than last year. We quote L. C. L. lots as follows:

For carloads write us.

BURLAPPED BALES. (45x14x16 inches) F. O. B. Wisconsin Points. 6 to 10 bales, \$2.20 per bale; 11 to 25 bales \$2.15 per bale.

BURLAPPED BALES. (Size as above) F. O. B. CHICAGO. 1 to 5 bales, \$2.50 per bale; 6 to 10 bales, \$2.25 per bale. New York Prices, 35 cents per bale higher. Cartage free. Write us for price on larger quantities.

Present Moss Supply very scarce.



SOIL SOAKER

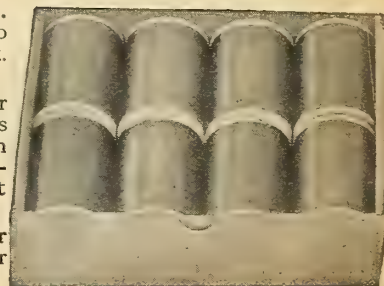
Irrigation hose for deep soaking. No. 0—12 ft., each, \$1.15; six for \$5.75; No. 1—18 ft., each, \$1.50; six for \$7.90; No. 2—3 ft., each, \$2.25; six for \$11.90. No. 3—50 ft., each, \$3.50; six for \$19.50.

TISSUE, American Beauty. 24x36 inches, F.O.B., New York, ream (480 sheets), \$1.75; 10 reams (4800 sheets), \$14.50. F.O. B. Chicago, ream (480 sheets), \$1.50; 10 reams (4,800 sheets), \$13.75.

Florists' Thread, Green. Best brand. Similar to Silkline, 8 spools to a box. Per lb. box., \$1.20.

Green Twine. Used for wrapping small packages also for spray and design work. Put up in balls. 1-lb. box, \$1.10; 5 boxes at \$1.05 per box.

Green Twine. 2 lbs., per cone, \$2.00; 3 cones for \$5.75.

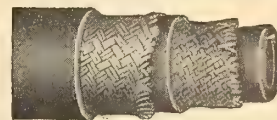


Rubber Hose, Couplers, Nozzles, Etc.

Vaughan's 3/4" Water Hose

This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. Price 26c per foot. Couplings, 35c per set extra. This hose can be furnished in any length. 5/8 in. Single Braid Hose. Price per 50 ft. length \$4.50.

Price 3/4 or 1/2-inch couplings 35c per set; sample mailed free if desired.



SPRAY HOSE. For high pressure spraying, 3/8 in., per ft., 26c; 1/2 in., per ft., 30c.

HOSE COUPLING,

Improved Ever-Tight.

No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 60c; doz., \$6.00.

HOSE STRAPS, Cald-

well. For 1/2, 3/4 and 1-inch hose. Dozen, 40c; gross, \$3.75.

GARDEN CLUB PLASTIC ADJUSTABLE HOSE NOZZLE.



Dark red finish. Adjustable for sprays, streams and shut-off, leak proof. It is a satisfactory wartime substitute for standard brass nozzle. Each, 75c; per doz., \$6.00.

HOSE WASHERS. 3/4-inch. Doz., 10c; gross, 50c.

PLASTIC CLINCHER HOSE COUPLING. Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 35c; doz., \$3.60.

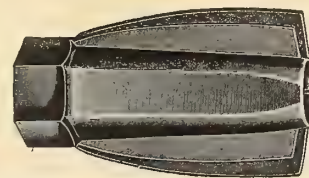


Plastic Clincher
Hose Mender

Price each, 15c;
doz., \$1.20.



MIST-IC FANSHAPED FLAT SPRAY



Made of plastic—light in weight and easy to handle, this slotted nozzle throws a perfect spray, and even fine fan-shaped flat spray that is just what gardeners want and need. Each, 50c; doz., \$4.00.

Vaughan's High-Grade Fertilizers

The highest grade only. Guaranteed analysis. Prices net cash.

NOTE—These prices are f. o. b. New York

ADCO ARTIFICIAL STABLE MANURE. Ceiling prices, 7 1/2 lbs., 85c; doz., \$8.40; 25-lb., bags, \$2.00; 150-lb. bags, each \$10.50.

ALUMINUM SULPHATE. For creating acid conditions in the soil. Ceiling prices, 25 lbs., \$1.25; 100 lbs., \$3.50; 500 lbs., \$16.00.

AMMONIUM NITRATE. 32% nitrogen, a good substitute for nitrate of soda and goes twice as far. 100 lbs., \$3.50.

VAUGHAN'S SPECIAL ROSE GROWER BONE MEAL. "Rose Grower." This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3.70 percent; total phosphoric acid, 20 percent. Ceiling prices, 100 lbs., \$4.00; 1,000 lbs., \$38.00; 2,000 lbs., \$70.00.

BACTO BACTERIAL COMPOSITION. Makes fertilizer out of garbage, sewage, leaves, garden rubbish, sawdust, etc. Cheaply and quickly deodorizes outdoor toilets. Ceiling prices, 5 lbs., \$1.45; 20 pkgs. for \$19.80; 25 lb. bag, \$4.25; 4 bags for \$13.20; trial size of 10 4-oz. pkgs., \$2.50.

BONE AND BLOOD. Use one pound to bushel of soil for potting soils, one-fourth pound to square yard as top dressing. Ceiling prices, 100 lbs., \$3.25; 1,000 lbs., \$30.00; 2,000 lbs., \$58.00.

CATTLE MANURE, Shredded. High grade natural fertilizer. Ceiling prices, 100 lbs., \$2.25; 1,000 lbs., \$21.00; 2,000 lbs., \$40.00.

DRICONURE. A good fertilizer with a peat moss base impregnated with a high grade manure. Ceiling price, 50 lb. bag, \$1.90.

HYPONEX PLANT FOOD. For growing plants in soil, sand or water. Ideal for starting seeds and cuttings. 1 teaspoon makes a gallon of plant food; 1 lb. makes 100 gallons. Ceiling prices, 25c size 36 to carton, \$6.00; \$1.00 size 12 to case \$8.00; 10 lb., \$5.35; 25 lb., \$10.00.

FULTON'S PLANTABBS. Odorless plant food in tablet form; supply a complete balanced plant food including Vitamin B-1. Put up in boxes. Ceiling prices, 10c size, doz., 72c; 25c size, doz., \$2.00; 50c size, doz., \$4.00; \$1.00 size, doz., \$8.00; \$3.50 size, each, \$2.35. Special discount of 5% on orders totaling \$6.00 to \$12.00; 10% on orders over \$12.00.

GRANULATED PEAT MOSS (Imported). Per bale of about 22 bushels. Ceiling price, \$3.50. Write for quantity lot prices. 1/2 bales, \$2.25.

ELECTRA. (F. O. B. Massachusetts). A great favorite with private gardeners and commercial growers. High in organics. Ceiling price, 100 lbs., \$6.75.

HORN DUST. Has same effect as Horn shavings except it is immediately available. Ceiling price, 100 lbs., \$6.50.

HORN SHAVINGS, Synthetic. Quick acting and lasting. 100 lbs., \$6.00.

SHEEP MANURE. Vaughan's Pulverized. Pure, dry, finely ground. Ceiling prices, 25 lbs., 80c; 50 lbs., \$1.25; 100 lbs., \$2.15; 1,000 lbs., \$21.00; 2,000 lbs., \$40.00.

SUPERPHOSPHATE. 20% available. Ceiling prices, 100 lbs., \$2.00; 1,000 lbs., \$14.00; 2,000 lbs., \$26.00.

UREA. A highly concentrated fertilizer, containing 46% available nitrogen. Clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees. 92 times stronger than manure. Ceiling price, 100 lbs., \$7.50.

AGRICO. For Lawns, Trees, Shrubs and Flowers, 10-6-4. Ceiling prices, 5-lb., packed ten to a bale, each, 30c; retails at 45c; 10-lb. packed six to a bale, each, 53c; retails for 85c; 25-lb., packed four to a bale, each, \$1.00; retails at \$1.50; 50-lb., two to a bale, each, \$1.70; retails for \$2.50; 100-lb., \$2.75; retails for \$4.00.

AGRICO VICTORY GARDEN FERTILIZER. For production of food only. Ceiling prices, 10 lb., packed six to a bale, each, 53c; retails for 80c; 25 lb., packed four to a bale, each, \$1.00; retails for \$1.40; 50 lb., packed two to a bale, each, \$1.55; retails for \$2.20; 100 lb., each, \$2.50; retails for \$3.50.

AGRICO. For Commercial Growing. 4-12-4. A well balanced fertilizer for the commercial grower, can be used on practically everything in Greenhouse forcing or outside—neutral in its reactions. Ceiling prices, 100 lbs., \$2.70. On all Agrico we will prepay delivery on 500 lbs. or more and will allow an additional 5% Discount for ton lots.

LOMA VICTORY GARDEN FERTILIZER. Ceiling prices, 50 lbs. price, \$1.60, retails \$2.25; 100 lbs., price, \$2.50, retails, \$3.50.

VIGORO. A specially prepared plant food. It contains all elements plants need for healthy growth. Ceiling prices, 5 lbs., 29c, retails for 45c; 10 lbs., 56c, retails for 85c; 25 lbs., \$1.00, retails for \$1.50; 50 lbs., \$1.70, retails for \$2.50; 100 lbs., \$2.75, retails for \$4.00. 500 lbs. delivered free to your railroad station within 500 miles of New York.

VIGORO VICTORY GARDEN FERTILIZER. 5-10-5. For production of food only. Ceiling prices, 5 lbs., 35c, retails 50c; 10 lbs., 56c, retails for 80c; 25 lbs., \$1.05, retails for \$1.45; 50 lbs., \$1.70, retails for \$2.35; 100 lbs., \$2.70, retails at \$3.70.

VIGORO FERTILIZER TABLETS. 24 tablets per box, 30 boxes in display case. Ceiling prices, case at \$1.80, retails at 10c each.

ARMOURS SPECIAL ORNAMENTAL FERTILIZER. For flowers, lawns, trees, and shrubs, 6-12-4. Ceiling prices, 25 lbs., \$1.00, retails at \$1.50; 50 lbs., \$1.70, retails at \$2.50; 100 lbs., \$2.75, retails at \$4.00.

ARMOURS VICTORY GARDEN FERTILIZER. For production of food only. Ceiling prices, 25 lbs., 85c, retails \$1.25; 50 lbs., \$1.45, retails for \$2.15; 100 lbs., \$2.40; retails for \$3.50.

POULTEK FERTILIZER. 4-3-2. All organic no restrictions; may be used on Lawns, Trees, Shrubs, Ideal for Vegetables, and all plants inside and outside; packed in 25 lbs. and 50 lbs. only. Ceiling prices, 25 lb., \$1.00; retails for \$1.50; 50 lbs. costs \$1.75, retails for \$3.50.

Due to war conditions and limited supply of Fertilizer and materials, we are unable to list all those items that we have been selling for many years. But some may be available from time to time. We would, therefore appreciate your inquiries on all your requirements. All such inquiries will be answered the same day received.

KEM LIQUID PLANT FOOD

Best and Safest Summer Food for Plants and Lawns

A complete balanced ration for plants, a nutrient solution containing all essential elements, Nitrogen, Phosphate, Potash, including Calcium, Boron, Sulphur, etc., merely dilute Kem solution with hydrant water. Ceiling prices, house plant size retails for 25c; 2 doz., to case, \$4.00; 50c size, 12 to case, \$4.00; \$1.00 size, 4 to case, \$3.00. Write for price on larger containers.

Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

ARSENATE OF LEAD. The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects. Ceiling prices, 1-lb. carton, 30c; doz., \$2.80; case of 24, \$5.40; 4-lb. bag, 75c; 48 lbs., \$7.20; 100 lbs., \$14.00.

APHINE. Ceiling prices, ½ pt., 40c; pt., 75c; 1 qt., \$1.00; 1 gal., \$3.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices, 2 lb. bag, 50c ea.; doz., \$4.50; 50 lb. bags, \$12.00.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One pound will make 5 gallons liquid. Ceiling prices, lb., 30c; doz., \$2.80; 4 lbs., 75c; case of 24 lbs., \$3.75.

CALCIUM ARSENATE. (Dry.) Ceiling prices, lb., 30c; 4 lbs., 70c.

CARBON DISULPHIDE. For ants and cut worms. Ceiling price, 1 lb., 50c.

COPPER SULPHATE. Crystals. Ceiling prices, 10 lbs., \$1.50; 25 lbs. \$3.50; 100 lbs., \$12.00.

CYANOGEN "A" GRADE. For moles, rats, gophers, and other ground rodents. Ceiling prices, 1 lb., doz., \$6.00; 5 lbs., each, \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00; 4-oz. tins for ants, doz., \$2.40.

CYANOGENS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00. Write for leaflet; freight prepaid on 100-lb. lots.

DOGZOFF. Keep dogs and other animals away from trees, shrubs, evergreens, etc. Ceiling prices, bottle, 60c; doz., \$4.80; gross, \$46.08.

D. N. SULPHUR DUST No. 10. A new and very effective control of Red Spider, Thrips, and Rust diseases on carnations. Ceiling prices, 10 lb. bag, \$3.50; case of 5 bags, 50 lbs., for \$12.50.

D. N. DUST No. 12. For control of Red Spider, Mite and Thrips on Roses, Calla Lilies, Snapdragons, Gardenias and Carnations. The active element in D. N. Dust No. 12 is a dinitro compound effective in all stages of Mite development. Should be used before blooming period. Ceiling prices, per 10 lb. bag, \$4.50; case of 5 10-lb. bags, \$20.00.

DX PYRETHRUM SPRAY. Ceiling Price carton of 24—1½ oz. bottles \$5.04, retails at 35c ea., carton 24—½ pints \$18.00, retails at \$1.25 ea., gallons \$9.50 each.

DX ROTENONE SPRAY. Ceiling Price carton of 24—1½ oz. bottles \$5.04, retails at 35c ea., carton of 24—½ pints \$18.00, retails at \$1.25 ea., gallons \$9.50 each.

DOWSPRAY 17. A Dinitro Compound for use as a wet spray to control Red Mite and Thrips. Helps produce better foliage. Protection for roses, carnations, callalilies, azaleas, snapdragons, gardenias, hydrangeas, etc. Put up in ¾-lb. Ceiling price, per can, \$2.50; case of 9 cans, \$20.25.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Ceiling prices, lb., 30c; doz., \$2.50; 5 lbs., 95c; 10 lbs., \$1.85.

FLOWERS OF SULPHUR. Dusting grade. Ceiling prices, lb. 15c; 10 lbs., \$1.00; 50 lbs., \$2.45; 2 bags for \$4.25.

FUME TOBAC. Ceiling prices, 25-lb. drum, \$5.00; 50-lb. drum, \$8.00; 100-lb. drum, \$15.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Ceiling prices, pt., 60c; qt., \$1.00; gal., \$3.00.

GO-WEST INSECT BAIT. A bait to combat Snails, Slugs, Cut Worms, Sow Bugs, Grasshoppers and Earwigs. Price for Garden Size package which treats about 400 square feet, 60c; carton of 10 packages, \$3.60. The large package which treats about 4000 square feet, \$4.50; carton of 5 packages, \$13.50; half acre package, \$9.00.

G&O CROW REPELLENT. ½ pt. retails for 35c, packed 24 to a carton, price per carton \$5.60, pint retails at 55c, price per dozen, \$4.40.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Ceiling prices, lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.50.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, ½ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

YAMTOX

A new insecticide that promises to replace Rotenone in the control of some insects. Yamtox is a concentration of the active principles of the Yam Bean (*Pachyrhizus erosus*). The Yam Bean affects many insects in much the same manner as Rotenone and seems to be the nearest approach to it. It has been used for centuries in the control of pests on vegetables in some parts of China. In Yamtox the toxic effects of the bean are extracted to make them as available as possible. They are further strengthened by chemicals of proven toxicity. Especially recommended for the control of Plant Lice, Red Spider, Thrip, Cyclamen Mite, Cabbage Worms, and most other insects that are controlled by Rotenone. It is very mild upon Plant Growth and safe to use even on most tender plants. Price per gallon, \$12.00; case of 6-1 gallon cans, \$11.00 per gallon; 30 gal. drum, \$270.00.

METHYL BROMIDE. An ideal fumigant for many purposes. For seeds, bulbs and many greenhouse plants. Ceiling prices, per lb. can, \$1.15; 10 lb. cylinder, \$7.75. Write for price on larger cylinders.

NICO-FUME HOLDER. For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Ceiling price, each, 85c.

NICO-FUME LIQUID. For fumigating or spraying; contains 40% nicotine. Ceiling prices, lb., \$2.45; 4 lbs., \$6.55; 8 lbs., \$11.25; 40 lbs., \$45.75.

NICO-FUME PRESSURE FUMIGATOR. Put up 1-lb. cans, powder is now burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder. Ceiling prices, 1-lb. cans, 75c; six for \$3.95; doz., \$7.40. Orders for 36 1-lb. cans prepaid by freight in United States and many parts of Canada.

NICO-ROTE. A combination of nicotine and rotenone. Kills by contact and fumes. Ceiling prices, qt., \$4.00; gal., \$12.00.

NICOTINE. Fumigating powder. Ceiling prices, 10-lb. cans, \$6.30.

NIKOTEEEN. 30% grade. For spraying and fumigating. Ceiling prices, oz. bottle, 35c; doz., \$2.50; ½ pt., \$1.35; pt., \$2.25; 3 pts., \$6.50; original case, 10 pts., \$21.00. 40% grade, 4 lbs., \$6.55; 8 lbs., \$11.25.

NO-PY-RO. The new synthetic insecticide; 1 qt., \$3.00; 1 gal., \$10.00; 5 gals., \$45.00.

ACME SCIENTIFIC ROSE SPRAY. For roses, flowers and shrubs of all kinds. Consists of three elements for controlling sucking and chewing insects, black spot and other fungus diseases. No. 3 kit will make 12 qts. Ceiling prices, each, 95c; doz., \$6.84. No. 6 kit will make 24 qts. Ceiling prices, each, \$1.50; six, \$5.40. No. 24 kit will make 96 qts. Ceiling prices, each, \$4.00; three for \$7.20.

PYRETHRUM EXHAUST POWDER. Ceiling Prices, 5 lbs., \$2.50; 10 lbs., \$4.75; 25 lbs., \$10.00.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 75c; gal., \$1.75; 5 gals., \$6.75.

PINE TAR. For tree surgery. Ceiling prices, qt., 60c; gal., \$1.25.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling prices, lb., 50c; doz., \$4.00; 5 lbs., \$1.75; 25 lbs., \$8.00.

POMO GREEN. With nicotine. Ceiling prices, lb., 75c; doz., \$6.00; 5 lbs., \$3.00.

RESPIRATORS. For mild fumigating and dusting. Ceiling prices, each, \$2.25.

SLUG SHOT, Hammond's. An insecticide for destroying chewing insects. Ceiling Prices: Doz. 1-lb. pkgs. for \$2.40; 5-lb. pkgs., 12 for \$9.60; 25 lb. bag, \$5.50; 50 lb. bag, \$10.75.

SPECIAL SEMESAN. For brown patch control, 8 oz., each \$1.00; per case of 24 tins, \$15.60; 6 lb. \$9.35; per case of 6 cans, \$42.10; 25 lb. drum \$36.00; 100 lb. drum, \$135.00.

SULPHUR FOR SPRAYING. Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. Ceiling prices, 4 lbs., 50c; 6 for \$2.75; 100 lbs., \$8.00.

ACME KOPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot and black spot on roses, flowers, and plants. Ceiling prices, 8 oz., 35c; doz., \$2.40; qt., 75c; gal., \$2.00.

SELOCIDE. Kills red spiders. Ceiling prices, gal., \$3.00; 5 gals., \$13.50; 10 gals., \$24.50; 30 gals., \$58.50; 50 gals., \$87.50.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Ceiling prices, ½ oz. pkg., doz., 80c; 2 oz., 40c; doz., \$3.20; 12 oz., \$1.88; 4 lbs., \$9.10; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SNAROL With Metalddehyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling price, 10 lbs., \$1.35.

SULPHATE OF IRON. Ceiling prices, 5 lbs., 40c; doz., \$3.00; 10 lbs., 75c; 25 lbs., \$1.20; 100 lbs., \$3.20.

TARTAR EMETIC. A spray for the control of Thrip, a life saver for gladiolus growers. Ceiling prices, 1 lb., 90c; 5 lbs., \$4.25; 25 lbs., \$18.75; 100 lbs., \$70.00.

THIOSAN. A remedy for brown patch control in creeping bent lawns. Ceiling prices, 5-lb. can, \$6.45; 25-lb. drum, \$30.00; 100-lb. drum, \$115.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling prices, pt., 90c; qt., \$1.50; gal., \$5.50.

TOPTOX. Effective double active insecticide. Ceiling prices, pint, \$1.75; qt., \$3.00; gal., \$9.00; 5 gal., \$40.00.

TOBACCO DUST (Regular Grade). Ceiling prices, 10 lbs., 65c; 25 lbs., \$1.20; 100 lbs., \$3.50.

TOBACCO STEMS. Ceiling prices, 100 lbs., \$2.50; 500 lbs., \$10.50.

TRIO-GEN. Fungicide, insecticide and plant stimulant. Ceiling prices, A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gallons, \$6.00; D, estate kit, makes 128 gallons, \$20.00.

VERMINE. For eel, cut worms and wire worms working in the soil. Can be applied to all vegetation. Ceiling prices, ½ pt., 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Ceiling prices, gal., \$2.00; 5 gals., \$6.25; 28-gal. drum, \$25.00; 54-gal. drum, \$42.50. Extra charge for drums returnable for credit.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Ceiling prices, qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.

KALITE ROTENONE BUG DUSTER. This practical, efficient duster bag contains a pound of impregnated Rotenone Dust. A practical package for dusting Victory Gardens. Price per carton of 24 1-lb. packages, \$5.40; 4 lb. bags, 12 to a carton, \$5.76 per carton; 25 lb. bags, \$3.00 each.

VICTORY GARDEN RABBIT REPELLENT. With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Ceiling price, per carton of 24 1-lb. pkgs., \$7.20. Retails for 45c, 5 lb. bag retails for \$1.75. Ceiling price per carton of 6, \$7.00.

KRYOCIDE D50 WITH SULPHUR. A combination insecticide and fungicide for chewing insects. Contains natural Cryolite. Retails at 50c per lb. Ceiling price per carton of 24 cans, \$7.20; 3 lb. bag retails for 85c; carton of 12 cans, \$6.60.

KRYOCIDE. Can be used as a spray or dust, highly effective in controlling many chewing insects. Retails at 35c per lb. Ceiling price per case of 24 cans, \$5.52.

Insecticides containing pyrethrum and rotenone in quantities over 1 pint can be sold for use on vegetable crops only. Your order must specify that you will obey this regulation.



Insecticides You Can Sell

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale.

Items below ordered in less than quantity quoted will be billed at a higher rate.

ACME JR. ANT KILL SET. Contains, 2-oz. bottle syrup and two safety service cups. Ceiling prices, 35c per set; doz., \$2.80.

ACME KOPPER KING. A scientific copper compound four times as strong as bordeaux mixture. Ceiling prices, lb., 45c; doz., \$3.66; case of 24 pkgs., \$7.08; 4-lb., bag, each, \$1.05; per case of 12 bags, \$8.88.

ACME VEGETABLE GARDEN AND FLOWER SPRAY. A combination spray for controlling sucking and chewing insects. Can be used as a dust or spray. Ceiling prices, 1 lb. handy shaker top carton, price, 40c; doz. cartons, \$3.24; per case of 24 cartons, \$6.24; 4-lb. pkgs., per case of 12, \$9.00.

ANT KILLER. Ceiling prices, Master 1/2-oz. bottles, doz., 75c; 2-oz., doz., \$2.00; 4-oz., doz., \$4.00.

ANTROL READY FILLED SETS. Consisting of four patented glass feeders. Ceiling prices, per doz. sets, \$3.20. Retail at 40c set. Packed in a strong display carton.

ANTROL SYRUP REFILLS. Ceiling prices, 4-oz. bottles, doz., \$1.60; pints, doz., \$4.00; gals., six for \$11.00.

APHIS SPRAY. A combination of Black Leaf 40 and Fish Oil Soap. Ceiling prices, per doz. 3-oz. tubes, \$2.70. Retail at 35c per tube.

BLACK LEAF 40. Ceiling prices, oz. bottles, doz., \$2.78; carton of 24, \$5.56; 5-oz. bottles, doz., \$8.55; 1 lb., \$22.25 ea.; 2 lbs., \$3.25 ea.; 5 lbs., \$6.00 ea.; 10 lbs., \$11.00 ea.

DAWG-GONE. Protects evergreens from dogs. Ceiling price, per doz. tubes, \$2.00.

HAND DUSTER, FILLED WITH PYROCIDE DUST. No. 10. (Bug Gun). Ceiling prices, each, 35c; doz., \$2.80; carton of 24, \$5.00.

KROP SAVER DUST GUN. Refillable. Contains 14 oz. combination of fungicide and insecticide (Rotenone and Copper) retails at \$5.00, packed 24 to a carton, ceiling price per carton \$8.00, dozen packages \$4.20.

KROP SAVER COMBINATION. Insecticide and Fungicide Dust. Contains Copper and Rotenone in 2 lb. bags to refill hand dust gun, retails at \$5.00, packed 24 to a carton, ceiling price per carton \$8.00, per dozen packages \$4.20.

NICOTINE PYROX. 20-oz. jars. Ceiling prices, doz., \$4.60; carton of 24, \$8.97; 5 lbs., \$1.50; case of 12, \$15.60; 25-lb. drum, \$6.50; 50-lb. \$10.65.

PYROX. Combination insecticide and fungicide. Ceiling prices, 25 lbs., \$5.75; 50 lbs., \$8.35.

RATKISSES. Put up on easel card holding 12—25c pkgs., containing 12 ratkisses each. Ceiling prices, per card, \$2.00; six or more cards at \$1.80 per card.

RED ARROW GARDEN SPRAY. Ceiling prices, 1-oz. bottles, carton of 24, \$5.40; 4-oz. bottles, doz., \$8.00; pint, \$2.50.

ROTECIDE. Standard rotenone spray. Ceiling prices, oz. bottles, doz., \$2.50; per pint, \$1.75; qt., \$3.00; gal., \$8.00; 5 gals., \$35.00; 15 gals., \$95.00.

SLUG SHOT, Hammond's. An insecticide for destroying chewing insects. Ceiling prices, 1-lb. pkgs. carton of 24 \$4.80; 5-lb. pkgs., 12 for \$9.60.

TREE TANGLEFOOT. Ceiling prices, 6-oz., case of 24 cans, \$7.20; 1-lb. cans, per doz., \$7.60; per case of 24, \$14.40; 5-lb. can, \$2.95; case of 6, \$16.87; 10 lbs., \$5.50 each; case of 4 cans, \$21.00; 25 lbs., \$12.00 each.

WETTABLE DUSTING SULPHUR. Put up in attractive 2-lb. cans, which retail at 35c each. Ceiling price, per doz., \$2.40.

ROTOTEC

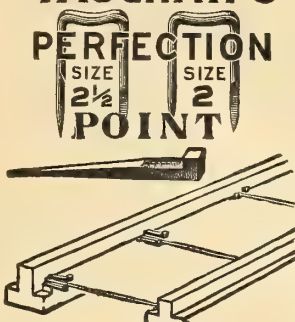
A Rotenone Victory Garden Spray. Contains full amount of Rotenone necessary for good insect control. 4 oz. bottle retails at \$1.00; price per dozen \$7.20, pint bottle retails at \$2.75, price per dozen \$18.00.

VAUGHAN'S GREENHOUSE BULBING CEMENT. One gallon to 300 lineal feet. Apply with Mastic Machine or Bulber 60, 40 and 20 gallon drums, per gal., \$1.00; 10 and 5 gal. drums, per gal., \$1.30; 1-gal. can, \$1.50. Glazing gun gratis with 60 or 40 gal. drum.

Wire, Stakes and Supplies

GARLANITE. The original white glazing compound. Price, 40 and 60 gals., \$2.40 per gal.; kegs, 10 and 20 gals., \$2.50 per gal.; 5 gal. cans, \$2.70 gal.; 1 gal. cans \$2.85 each; 10 gals. or more prepaid.

VAUGHAN'S PERFECTION



Write for prices in larger quantities.

SIEBERT'S IMPROVED. Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out when repairing greenhouse roof. Two sizes, 3/8 and 1/2-inch long, put up in 1 lb. packages. Over 1,500 points in 1-lb. pkg. of 3/8; over 1,000 points in 1-lb. pkg. of 1/2. Price, per lb., 50c; 5 lbs., \$2.25; 20 lbs., \$8.25.

VITAPLASTIC GREENHOUSE MAINTENANCE PRODUCTS, Vita Bar Seal Paint. Effectively seals and protects Greenhouse Bars, having excellent durability and adhesion to both bars and glass due to the exclusive use of Vitaloid. Per gallon, \$3.50; 5 gallons, \$17.50. Freight prepaid on 10 gallons or more.

Vita Bedding Compound. An excellent elastic compound for rebedding. Gal., \$2.75; 5-gal. pails, \$12.50; 10 gals. or over prepaid.

PUTTITAPE. A wonderful new method of glazing new ever soft gum now mounted on tape, made of lead foil to protect it, comes to you in handy rolls. Just unroll on the sash and bars, price, 100 ft., \$3.50; per 1,000 ft., \$30.00.

SEAL-A-SEME. For repairing leaky ice cans, galvanized vases and greenhouse water buckets. Easily applied, brine proof. Does not retard refrigeration. Creates an absolutely tight joint that will last for years without further care or attention. 1 lb. can, 85c; 10 lbs., \$7.50.

GLAZING PUTTY, Gun Grade. A superior grade which will not dry out and crumble. Seals tight, remains soft and pliable. Gal., \$2.10; 5 gal. can, \$10.00; 30 gal. drum, \$55.00.

PUTTYROPE. A great new improvement for glazing and caulking, easy to apply, won't deteriorate, run or get brittle. 100 ft. to a box. 100 ft., \$1.00; 700 ft., \$3.75. F. O. B. Pana, Illinois.

GARLAND WHITE SHADING COMPOUND. 25 lbs. is equivalent to 2 gals. 25 lbs., \$4.00; 50 lbs., \$7.00; 100 lbs., \$13.00; 200 lbs., \$24.00; 300 lbs., \$35.00; 500 lbs., \$55.00, F. O. B. Chicago or Cleveland, O. 100 lbs. or more, freight prepaid and shipped from factory.

TAMM'S SHADING COMPOUND. Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, per 100 lb. keg, \$10.00; Barrel of 400 lbs., \$32.00. Green, 2c per lb. higher.

REEDS AND RAFFIA

REEDS. Extra White, prime quality.		
	Per lb.	5 lbs.
No. 1.....	\$0.85	\$0.80
No. 2.....	.80	.75
No. 3.....	.75	.70
No. 4.....	.70	.65
No. 5.....	.65	.60
No. 6.....	.60	.55
No. 7.....	.60	.55
3/4-inch Flat.....	.75	.70

RAFFIA. Natural, Best Grade, F. O. B. Chicago. Lb., 75c; 5 lb. lots, per lb., 72c; 10 lb. lots, per lb., 70c; 25 lb. lots, per lb., 68c; 100 lb. lots, per lb., 66c. Bale lots about 225 lbs., per 100 lbs., \$64.00.

Dyed—Old gold, pink, purple, emerald green, dark red, bright red, black, navy blue, orange. Per lb., at 95c; 10 lbs. at 90c; 25 lbs. at 80c. Samples on application.

PLANT STAKES—A FULL LINE

Bamboo Stakes, Plain and Green Painted.

	F.O.B. Chicago	Per 1000	Per 2000	Per 100 Per 1000	Per 100 Per 1000
Bale of					
Green. 1 1/2 feet...	\$0.95	\$5.25	\$9.90	\$0.85	\$5.00
2 feet...	1.20	6.50	11.50	1.15	6.20
2 1/2 feet...	1.40	8.50	16.00	1.25	8.25
3 feet...	1.65	9.50	18.50	1.50	9.00
3 1/2 feet...	2.25	10.50	19.80	1.95	10.00
4 feet...	2.50	11.75	22.00	2.25	11.25
Natural.					
6 feet...	2.75	18.50	....	2.50	17.50

Write for price in bale lots.

Write for price on Green Painted light and heavy wood stakes.

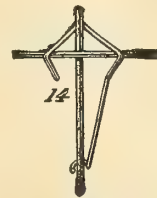
Galvanized Steel Wire Stakes. Far superior to wooden stakes and practically indestructible. We supply largest buyers. Price subject to change without notice. We can also supply 12-gauge stakes, write us for price on quantities, delivered to your nearest freight depot.

No. 9 Wire			No. 8 Wire		
Per 100	Per 500	Per 1000	Per 100	Per 500	Per 1000
3 ft....	\$1.80	\$ 8.25	\$14.60	\$2.25	\$10.75
4 ft....	2.15	9.75	17.25	2.75	12.25
5 ft....	2.75	13.00	23.75	3.50	15.50
6 ft....	3.25	14.75	26.75	4.20	16.75

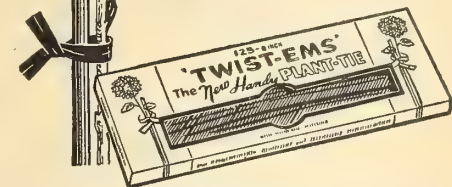
PLANT TIES, Lighting Wire. Per box of 1000, \$2.00; 5 or more boxes, \$1.95 per box. Shipping weight per box, 2 lbs.



CLIP, Blake's New Loop Lever. For roses, mums, etc., up-to-the-minute stake holders; holds stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price, \$2.00 per 1,000, 5,000 for \$9.50. Samples mailed free.

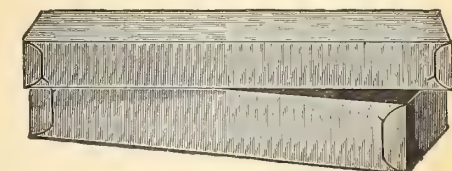


STAKE FASTENERS. Everlasting, packed 500 to a box, per box, \$1.30; 10 boxes or more, \$1.20 each.



TWIST-EMS

New handy plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they cannot come unfastened. Tape protects stem against injury. For tomato plants and other vegetable crops. Only made in two utility sizes, 7" and 16", put up 250 to a bundle. 7", per 1000, \$1.25; 16", per 1000, \$2.25.



CUT FLOWER BOXES—WHITE

Full Telescope patent coated.	
24x5x3 1/2	\$7.90 per 100
30x5x3 1/2	8.20 per 100
28x8x5	12.95 per 100

WHITE CORSAGE BOXES

12x5x4.....\$6.85 per 100
Owing to the uncertainty of the manufacturers making deliveries of our regular grade of green cut flower boxes and gray design boxes, we are not offering these in this book. We may be able to furnish some of these boxes and we refer you to our 1943 catalog for sizes. Our price on these boxes would be the same as 1943 unless the manufacturers are permitted to advance our cost.

Bulbs for Mid-Summer and Early Fall

Freeseias CALIFORNIA GROWN

These low priced bulbs will pay good profits to florists who use them to grow flowers for the early winter. The flowers have brought good prices on all markets, and will be assured of an excellent demand next winter. Start bulbs in flats carried in cold frames until killing frosts come, then bring them into the greenhouse and force for the high January market.

Our Freeseias bulbs are grown by specialists who know how to handle the stock from the time of planting until they are packed and shipped. Why take a chance of buying from such dealers that buy from growers who grow for "cut flowers" and do not give their bulbs the best of care in digging, curing and shipping.

APOTHEOSE

New. One of the best varieties, very large robust flowers, opening deep mauve-lilac, turning to bright carmine-pink; white throat, tall, rigid stems, extra. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$1.50 \$10.00 | $\frac{5}{8}$ to $\frac{3}{4}$ in. \$2.10 \$16.50

ELDER'S GIANT WHITE (Patented)

Much demand for the flowers on all markets because of the size and strong stems. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$2.00 \$15.00 | $\frac{3}{4}$ in. and up. \$4.50 \$40.00
 $\frac{5}{8}$ to $\frac{3}{4}$ in. 2.50 20.00

GOLDEN DAFFODIL

The yellow you must have with your planting of the White varieties. Color, clear, light yellow and orange blotch. Large flowers on strong, stiff stem. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$1.50 \$10.00 | $\frac{3}{4}$ in. and up. \$3.00 \$25.00
 $\frac{5}{8}$ to $\frac{3}{4}$ in. 2.10 16.50

GOLDEN WONDER

Clear light yellow with orange markings on lower petal. Large open flowers in stiff stem. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. 1.80 13.00
 $\frac{5}{8}$ to $\frac{3}{4}$ in. 2.50 20.00

KOKOMO

A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$2.00 \$15.00

KNIFE'S YELLOW

A yellow freesia of unusual sturdy growth, tall straight stems. Flowers large and wide open. Great lasting qualities. Very prolific producer with several laterals, making it a valuable cut flower. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$2.00 \$15.00

MISS BLANCHE BLUE (Patented)

Deep blue, large, open flowers; tall, strong stems; long lateral stems making possible even third and fourth cuts; tall, deep-green leaves; a sturdy grower and easy forcer. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$2.00 \$15.00
 $\frac{5}{8}$ to $\frac{3}{4}$ in. 2.50 20.00

ORCHIDEA

Very large open, perfectly shaped flowers of softest pearly-mauve with yellow throat. Long strong stalk. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in. \$1.50 \$10.00
 $\frac{5}{8}$ to $\frac{3}{4}$ in. 2.10 16.50

PURITY—TRUE STRAIN

	Per 100	Per 1,000
$\frac{1}{2}$ to $\frac{5}{8}$ in.	\$1.50	\$10.00
$\frac{5}{8}$ to $\frac{3}{4}$ in.	2.10	16.50
$\frac{3}{4}$ in. and up.	3.00	25.00

Write for prices on large quantities.

PENSEROSA

Enormous broad petalled flowers of good substance, soft pink with primrose-yellow throat and carmine markings. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in.	\$1.50	\$10.00
$\frac{5}{8}$ to $\frac{3}{4}$ in.	2.10	16.50

ROSY MORN

The color is a rosy-pink suffused with golden yellow at the base of each petal. Early bloomer. Stem is strong and wiry. The leaves upright and the blossom is of the open, round petal type.

$\frac{1}{2}$ to $\frac{5}{8}$ in.	Per 100, \$2.00; Per 1,000, \$15.00
$\frac{5}{8}$ to $\frac{3}{4}$ in.	Per 100, 2.50; Per 1,000, 20.00

SCHROEDERS WHITE (Patented)

Pure white, sturdy grower with strong stems. 18 to 20 inch long. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in.	\$1.75	\$12.00
$\frac{5}{8}$ to $\frac{3}{4}$ in.	2.50	20.00

SUNSET

An entirely new color in Freeseias being a flame orange, reminding you of the glorious sunsets of California. This variety was the greatest attraction in the field during the flowering season.

	Per 100	Per 1,000
$\frac{1}{2}$ to $\frac{5}{8}$ in.	\$1.50	\$10.00
$\frac{5}{8}$ to $\frac{3}{4}$ in.	2.10	16.50
$\frac{3}{4}$ in. and up.	\$3.00	\$25.00

WHITE CHIEF (Early Giant White)

Brings 3 to 4 times the price of Purity on the Flower Markets. Stems average 18 to 30 inches long; single flowers $2\frac{1}{2}$ inches long. Per 100 Per 1,000

$\frac{1}{2}$ to $\frac{5}{8}$ in.	\$1.50	\$10.00
$\frac{5}{8}$ to $\frac{3}{4}$ in.	2.10	16.50
$\frac{3}{4}$ $\frac{7}{8}$ in.	\$3.00	\$25.00

RAINBOW MIXED

	Per 100	1000
$\frac{1}{2}$ - $\frac{5}{8}$ in.	\$ 1.80	\$13.00
$\frac{5}{8}$ - $\frac{3}{4}$ in.	2.50	20.00

White Calla

(Aethiopica) Ready in September

Callas being natives of swampy regions grow to best advantage where there is an abundance of moisture, and are therefore very difficult to handle in the curing. Some growers practice **premature cutting off the tops**, expose bulbs to the sun, in order to make early shipment.

Our stock is **thoroughly cured in the ground and dried carefully** before they are packed. This means **later delivery** but better results can be obtained from such bulbs.

We caution forcers of Callas to water this stock sparingly after planting because Calla bulbs store up considerable moisture.

Size	Per 100	Per 1,000
$1\frac{1}{4}$ - $1\frac{1}{2}$ inches.	\$11.00	\$ 95.00
$1\frac{1}{2}$ - $1\frac{3}{4}$ inches.	18.50	170.00
$1\frac{3}{4}$ inches and up.	25.00	233.00

Yellow Callas

(Elliotiana)

Yellow callas are very attractive as pot plants. A few pots of this golden yellow flower placed in a display window draw much attention and sales. Grow a hundred and see how quickly they sell.

	Doz.	Per 100	Per 1,000
2- $2\frac{1}{2}$ inch.	\$2.00	\$15.00	\$135.00
$2\frac{1}{2}$ -3 inch.	3.50	25.00	230.00
3- $3\frac{1}{2}$ inch and up.	5.50	40.00	355.00

Lilies

Place your order for Harrisii, Croft and Shangri La now before they are all sold.

VAUGHAN'S SEED STORE

47-49 Barclay Street, NEW YORK

601 West Jackson Blvd., CHICAGO

NAME _____ Date _____ 19____
Write very plainly

Write very plainly

Post Office State

**Street, P. O. Box
or Rural Delivery**

Express or Freight Office { If different }
from P. O.

Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Money Order \$.....

Draft or Check \$.....

Postage Stamps\$

Cash - - - \$

**Make Money Orders or Checks
Payable to Vaughan's Seed Store**

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

Table of PARCEL POST RATES to different zones, on other side.

Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

[illegible]

(OVER)

Postage
Will Be Paid
by
Addressee

No
Postage Stamp
Necessary
If mailed in the
United States

BUSINESS REPLY ENVELOPE
FIRST CLASS PERMIT NO. 1184 (SEC. 510 P. L. & R.) NEW YORK, N. Y.

VAUGHAN'S SEED STORE
47-49 Barclay Street
NEW YORK 7, N. Y.

Filled by _____ Checked by _____ Packed by _____
Shipped by _____ Style of Package _____
Date _____ Book _____ Weight _____

D. N.

Dust No. 12

To control Red Spider Mite and Thrips on Roses, Calla Lilies, Snapdragons, Gardenias and Carnations. Control should be obtained before blooming period if an application is necessary during bloom-time all marketable blossoms should be cut before dust is applied.

Packed in 10-lb. bags each, \$4.50; per case of 5 10-lb. bags, \$20.00.

Tartar Emetic

A spray for the control of Thrip, a life saver for gladiolus growers. Price, 1 lb., 90c; 5 lbs., \$4.25; 25 lbs., \$18.75; 100 lbs., \$70.00.

D. N.

Sulphur Dust No. 10

FOR CARNATIONS

Effectively controls Red Spider Mite, Thrips and Rust. One pound of dust will cover from 400 to 800 square feet of bench space, depending on size of plants effective both in field and greenhouse non-injurious to plant foliage like D. N. No. 12 should be applied before blooming period, effective under varied conditions of temperature and humidity put up in 10-lb. pkgs. each, \$3.50; per case of 5 10-lb. pkgs., \$16.25.

A Beautiful, Practical, Paper White Display



Vaughan's Paper White Display Box as Illustrated together with

100 Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs)	\$11.00
100 Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs)	13.00
100 Bags, each holding 3 bulbs, 15-16 ctm., (300 bulbs)	16.50

EVERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs. Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm. circumference and up are of flowering size and highest quality. Three bulbs are enclosed in an illustrated bag which prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, specially reinforced, decorated in black, red and green, will harmonize with your store display and sell its contents. It occupies 10 by 20 inches space, and one filling provides \$22 to \$35 sales at 100% profit. Why let chain stores get sales which should be yours?

Paper White Display Box, 10x20 inches, Holding 100 Illustrated Bags



CINERARIA, Cremer's Prize Mixture. Reselected.
Trade Pkt., \$1.50; $\frac{1}{64}$ oz., \$2.20; $\frac{1}{32}$ oz., \$4.00;
 $\frac{1}{16}$ oz., \$7.50.



PANSY, Vaughan's Long Stemmed Winter-Flowering Mixed. Reselected. $\frac{1}{2}$ Trade Pkt., 60c; Trade Pkt., \$1.00;
 $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.80.

DELPHINIUM

PACIFIC GIANT (Vetterle and Reinelt)

See Perennial Pages for Description

Illustrated on the left. Top to bottom:

- | | |
|---------------|----------------|
| 1 BLUE JAY | 3 GALAHAD |
| 2 GUINEVERE | 4 SUMMER SKIES |
| 5 KING ARTHUR | |

Each of the above, Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50;
 $\frac{1}{4}$ oz., \$4.00; oz., \$14.00.